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ARTICLE III.

RESULTS OF OBSERVATION WITH THE ZENITH TELESCOPE OF THE SAYRE OBSERVATORY FROM JANUARY 19, 1894, TO AUGUST 19, 1895.

BY CHARLES L. DOOLITTLE.

Read October 19, 1900.

INTRODUCTION.

The Sayre Observatory, situated at South Bethlehem, Pennsylvania, owes its existence to the liberality of Robert H. Sayre, at whose expense it was erected and equipped in 1868. The object was primarily that of supplying facilities for the instruction of students of the Lehigh University in practical Astronomy. One of the first tasks undertaken by the author of this paper upon taking charge of the department of Astronomy at that institution in 1875 was a very careful determination of the latitude.

The question of possible variations was one of those had in mind at that time. It was then supposed that if anything of this kind took place of sufficient magnitude to be measurable, the changes would be secular in character, and that later determinations might furnish valuable data for deciding the question whether or not such changes existed. This first determination was not finally completed until 1878.

A re-determination was made in 1885–86, which indicated a change of about $0''.4$, though the reality of this change was at that time naturally an object of much skepticism.

The work was resumed in 1888, and was continued with some interruptions until the summer of 1895, when my connection with the Lehigh University terminated. The present paper deals with the results obtained from January 19, 1894, to August 19, 1895. Although this is a continuation of work done during previous years, the methods pursued were such as to make this in so far an independent series that it may very properly be presented separately. Moreover, as a re-discussion of the earlier observations and their publication in full constitutes a part of the general plan, they will call for no further consideration here.

The final preparation of this material for publication has been delayed by the circumstance that a preliminary reduction showed it to be very desirable that the star declinations should be determined with a high degree of accuracy and carefully reduced to a

homogeneous system. As but little material for this purpose existed in the case of a considerable number of the stars employed, a complete re-observation of the entire list was kindly undertaken by R. H. Tucker, of the Lick Observatory, and that of individual stars at other places; finally in the spring of 1899 an appropriation by the trustees of the Gould fund provided for the employment of a computer, so that now what for present purposes may be regarded as the final values of the stellar coördinates are available.

In the present series the plan proposed in 1890 by Dr. F. Küstner* was followed. This consists in the employment of four groups of stars, so arranged that they may be connected by evening observations on one group, accompanied by morning observations on the consecutive one. This furnishes the means of adjusting the results to a homogeneous system, and at the same time, as a kind of by-product, a determination of the constant of aberration independently of variations in the latitude.

In the present case the four groups were distributed as follows:

Group	I	5 ^h 31 ^m to	7 ^h 23 ^m	10	pairs.
	II	14 1	to 15 51	10	“
	III	17 30	to 19 35	9	“
	IV	21 29	to 23 52	12	“

The interval between I and II proved to be somewhat too great, for, although these groups were observed during the long nights of January, February and March, the excessive proportion of unfavorable weather at this season made it somewhat difficult to obtain the desired number of satisfactory observations.

The Instrument.

This is a Zenith Telescope by E. & G. W. Blunt, of New York. It is said to have been purchased of the United States Coast Survey in 1868, when the Observatory was first erected. It was then in poor condition, and had probably not been in active service for some time. It was at different times overhauled and repaired, and finally, in 1892, provided by G. Saegmüller, of Washington, with two very fine levels. Though not ranking as a first-class modern instrument, it proved capable, with care and attention in its use, of giving results which are believed to be worthy of entire confidence.

The aperture of the telescope is three inches; focal length, forty-one inches. A diagonal eye-piece was employed, magnifying seventy-five diameters.

The Levels.

The two levels above mentioned were designated A and B. Previous experience with levels had shown that in some cases the scale values did not remain constant. Cases of deterioration had also been met with, good tubes in time becoming worthless.

* *Astronomische Nachrichten*, Bd. 126, No. 3015.

It was therefore determined to examine thoroughly these levels at intervals of three months. As no important changes were found, they afterward received less frequent attention, but the process was always repeated at least twice each year.

In this investigation the ordinary level-trier was employed, consisting of a horizontal bar with a micrometer screw at one end. The proportions in the present case were such that one division of the micrometer head corresponded to an angle of 1" in the inclination of the bar.

The level tubes were placed in position, carefully protected from disturbances of all kinds and allowed to remain for an hour or two in order to allow the temperature of all parts of the apparatus to come to a condition of equilibrium. The bubble was then brought near one end of the tube and the scale reading noted. The screw was next moved forward two divisions and the scale again read, and so on through something more than the entire part of the scale actually used in observation.

The screw is now moved backward and the reading of the scale noted at the same screw readings as before. From one to two minutes are allowed for the bubble to come to rest after moving the screw. If too much time elapses there is danger that changes of temperature or other disturbing causes may vitiate the result.

The process is illustrated by the following record of the determination of the value of A :

1894, April 1, 10.30 A. M.	<i>Micrometer.</i>	<i>Bubble.</i>		<i>Mean.</i>	<i>Bubble.</i>		<i>Mean.</i>	Thermome- ter, 56°.4.
		<i>N.</i>	<i>S.</i>		<i>N.</i>	<i>S.</i>		
Backward.	1	71	3.8	26.1	14.95	3.4	25.5	14.45
	2	69	4.8	27.1	15.95	4.6	26.7	15.65
	3	67	6.3	28.6	17.45	6.2	28.3	17.25
	4	65	8.3	30.6	19.45	7.8	29.9	18.85
	5	63	9.8	32.1	20.95	9.4	31.5	20.45
	6	61	11.3	33.6	22.45	10.9	33.1	22.00
	7	59	13.0	35.3	24.15	12.7	34.9	23.80
	8	57	14.7	37.0	25.85	14.2	36.4	25.30
	9	55	16.4	38.6	27.50	15.9	38.1	27.00
	10	53	18.2	40.5	29.35	17.7	39.9	28.80
	11	51	19.6	41.8	30.70	19.2	41.4	30.30
	12	49	21.0	43.2	32.10	20.5	42.8	31.65
	13	47	22.7	45.0	33.85	22.3	44.5	33.40
	14	45	24.6	46.8	35.70	23.8	46.1	34.95
Forward.			8—1	10.90				10.85
			9—2	11.55				11.35
			10—3	11.90				11.55
			11—4	11.25				11.45
			12—5	11.15				11.20
			13—6	11.40				11.40
			14—7	11.55				11.15
			14''	= 11.386				11.279
			One division	= 1''.229				1''.241

The same values of the levels were not employed throughout the entire latitude series,

but these values were revised from time to time as new material gave promise of improvement.

The values used were as follows :

1894, January 19–April 26,	A 1''.280	B 1''.028
April 30–September 15,	1''.276	1''.008
October 2–December 6,	1''.292	1''.008
1894, December 23–1895, August 19,	1''.284	1''.024

The Reticle.

This is fitted with three vertical threads and one horizontal. The latter is for the purpose of marking the middle of the field, but it is not required for this. Moreover, it involves the inconvenience that, where the difference of zenith distance is small, one component is found on this thread with surprising frequency, thus interfering seriously with its bisection.

In practice, the stars were bisected at the time of passing each vertical thread. The equatorial intervals of the side threads from the middle one were 13°.46 and 13°.61.

The correction to the latitude for the interval τ is

$$\frac{(15\tau)^2}{4} \sin 1'' \tan \delta.$$

This is computed for each pair employed and is practically constant for the entire time embraced by the series.

The Micrometer.

The movable frame carries five threads at intervals of approximately ten revolutions of the screw. There are small pieces of brass near one end of the threads marked with 1, 2, 3, 4 and 5 points respectively, to avoid mistakes in identifying the threads. When the difference of zenith distance is not greater than twenty revolutions, both stars were generally bisected with III; for greater differences II and IV were used to avoid turning the screw through so great a number of revolutions. I and V were not used.

It was necessary to determine carefully the distance between threads II and IV, and as this did not remain constant, the operation must be frequently repeated. After some experimenting, it was found that this could be most satisfactorily done by pointing the telescope toward the sky during daylight and bringing the threads in succession up to the fixed thread before mentioned, moving the screw until the line of light between the two vanished.

In the pages which follow, giving details of the latitude determinations, the column headed δ contains this correction where required, combined with a second correction to the micrometer, the explanation of which will be given presently.

The proper value of the micrometer screw has proved a troublesome question, as it has been found to be a variable quantity. δ Ursæ Minoris and 51 Cephei were observed on twenty-three nights during the progress of the work, one star being taken at eastern elongation, preceded or followed, as the case might be, by the other at western elongation. As the altitude of one would be increasing and that of the other diminishing, the mean result should be practically free from errors due to gradual changes of refraction and others of a like character. A preliminary reduction of the latitude observations showed that no one value of the micrometer screw could harmonize the entire series. Evidently the screw had become worn with long service, and the wearing process was still going on at an appreciable rate. A somewhat roughly determined correction for temperature changes removed a part of the difficulty, but not all.

On July 25, 1894, the micrometer was sent to Stackpole & Brother, of New York, for repairs, including a change in the tension of the springs. This naturally produced a change of value at this point, but it was constant neither before nor after. Finally, the conclusion was reached that the screw value must be deduced from the latitude observations themselves and be treated as a variable quantity.

In order to have this method of procedure worthy of confidence, more precise values of the star places were required than those before employed, hence the final reduction was postponed until these became available.

It was observed that the screw was affected by progressive errors of considerable magnitude. An investigation of this matter had formerly been made by employing a measuring engine designed by Prof. William Harkness, of the United States Naval Observatory; but the results had ceased to be applicable, probably a consequence of the wearing of the screw before referred to. The corrections here used were derived from the above-mentioned transits of δ Ursæ Minoris and 51 Cephei.

Let n be any number of revolutions of the screw reckoned from the middle of the scale, the middle in this case being at the twentieth revolution.

Let R be the mean value of one revolution.

If the errors be uniformly progressive, the space S , corresponding to n , will be of the form :

$$S = Rn + \rho n^2$$

For a second reading :

$$\begin{aligned} S' &= Rn' + \rho n'^2 \\ S - S' &= R(n - n') + \rho(n^2 - n'^2) \end{aligned}$$

The transits of the stars in question were always observed for each revolution of the screw from scale readings 33 to 7. The observed times are first corrected for level changes and for curvature of the stars' path. They are then combined by subtracting

33 from 19, 32 from 18, — — — —, 21 from 7, thus obtaining a series of values of the time required by the star to pass over the space measured by fourteen revolutions of the screw. The difference between any value and the mean of all is the observed correction on account of ρ , expressed in seconds of time. This must finally be converted into its equivalent value in terms of revolutions of the screw.

The means of the differences so found are given in the accompanying table, those for 51 Cephei having been reduced to the equivalent in terms of δ Ursæ Minoris :

	<i>Micrometer.</i>	$n^2 - n'^2$	<i>Observed Difference.</i>	<i>v.</i>
1	19 — 33	— 168	^s — 3.90	^s + .27
2	18 — 32	— 140	— 3.25	+ .22
3	17 — 31	— 112	— 2.55	+ .23
4	16 — 30	— 84	— 2.21	— .13
5	15 — 29	— 56	— 1.48	— .09
6	14 — 28	— 28	— 1.11	— .42
7	13 — 27	0	— .03	— .03
8	12 — 26	+ 28	+ .68	+ .01
9	11 — 25	+ 56	+ 1.47	— .08
10	10 — 24	+ 84	+ 2.26	— .18
11	9 — 23	+ 112	+ 2.97	— .19
12	8 — 22	+ 140	+ 3.35	+ .12
13	7 — 21	+ 168	+ 3.97	+ .20

The “observed difference” above is the observed value of ρ ($n^2 - n'^2$).

Therefore we have :

$$\rho = + ^s.02483 = .0004354 R$$

since one revolution R represents the space traversed by the star in $57^s.02$.

With this value of ρ we compute the corrections to the micrometer readings which follow. These are expressed in terms of one revolution of the screw :

<i>Micrometer.</i>	<i>Correction.</i>	<i>Micrometer.</i>	<i>Correction.</i>
7 & 33	+ .0736	14 & 26	+ .0157
8 32	.0627	15 25	.0109
9 31	.0527	16 24	.0070
10 30	.0435	17 23	.0039
11 29	.0353	18 22	.0017
12 28	.0279	19 21	.0004
13 27	.0213	20	.0000

These corrections are applied to the micrometer readings and a preliminary reduction carried out employing an approximate value of the screw, as follows :

From 1894, Jan. 19 to July 25,	$R = 50''.5352$
July 25 to Dec. 6,	50.5646
Dec. 6 to end of series,	50.5735

We can now write for each observed latitude an equation of the form

$$\sqrt{\rho} (\Delta \phi - (M - M') \Delta \frac{1}{2} R = n),$$

where $\Delta \phi$ and ΔR are corrections to the latitude and the assumed screw value, M and M' being the micrometer readings, corrected, of course, for progressive errors.

Fourteen sets of equations were formed for deriving corresponding values of $\Delta \phi$ and $\Delta \frac{1}{2} R$, the aim being to limit each series in respect to time, so that no considerable changes in those quantities need be apprehended.

The following example will illustrate the process :

Group.	Number.	No. of Obs.	$\sqrt{\rho}$	$M - M'$	n .	v .
I	1	10	1	— 15.3	— .49	— 06
	2	10	1	+ 4.2	+ .40	— 20
	3	9	1	— 14.2	— .57	+ 06
	4	11	1	— 3.5	— .37	+ 27
	5	11	1	+ 8.3	+ .32	+ 04
	6	10	1	+ 6.7	+ .30	— 01
	7	10	1	— 16.1	— .88	+ 30
	8	10	1	+ 6.4	+ .42	— 14
	9	10	1	— 5.3	— .01	— 16
	10	9	1	+ 21.4	+ .88	— 02
II	11	5	0.7	— 6.4	— .18	— 03
	12	5	0.7	— 5.1	— .23	+ 07
	13	4	0.7	+ 2.5	+ .56	— 43
	14	3	0.6	— 2.1	— .08	+ 03
	15	3	0.6	— 0.3	— .03	+ 05
	16	3	0.6	— 22.9	— .54	— 31
	17	3	0.6	— 11.7	— .35	— 06
	18	3	0.6	+ 20.9	+ .24	+ 60
	19	2	0.5	+ 16.0	+ .64	+ 01

From these equations,

$$\Delta \phi = + .0354$$

$$\Delta \frac{1}{2} R = + .0385$$

No use is made of $\Delta \phi$ in what follows.

All observations on one pair during the time embraced have been combined into one equation, the number being indicated in the third column.

The following table gives the results derived from these fourteen sets of equations. The adjusted value of $\Delta \frac{1}{2} R$ is explained in what follows :

	<i>Date.</i>	<i>Mean Temperature.</i>	<i>Assumed $\frac{1}{2}R$.</i>	<i>Computed $\Delta\frac{1}{2}R$.</i>	$\sqrt{wt.}$	<i>Adjusted $\Delta\frac{1}{2}R$.</i>	<i>v.</i>
1	1894. Jan. 19–Feb. 16	23° 3	25.2676	+ .0385	1.	+ .0395	+ 10
2	Feb. 19–Mar. 18	35.2		+ .0382	1.0	+ .0369	— 13
3	Mar. 19–Apr. 30	47.3		+ .0351	0.7	+ .0342	— 9
4	May 8–June 11	60.7		+ .0317	1.0	+ .0313	— 4
5	June 12–July 5	72.4		+ .0263	1.0	+ .0287	+ 24
6	July 9–July 25	70.8	25.2823	+ .0302	1.0	+ .0290	— 12
7	Aug. 5–Sept. 15	66.2		— .0176	1.0	— .0100	+ 76
8	Oct. 2–Nov. 12	47.0		— .0083	1.0	— .0057	+ 26
9	Nov. 15–Dec. 6	35.5		— .0077	1.0	— .0032	+ 45
10	Dec. 25–Jan. 24	21.5	25.28675	— .0020	0.7	— .0045.5	— 25
11	1895. Jan. 27–Mar. 28	28.9		— .0040	1.0	— .0061.5	— 22
12	Apr. 10–Mar. 6	47.3		— .0065	0.7	— .0102.5	— 37
13	May 9–June 29	62.0		— .0123	1.0	— .0134.5	— 11
14	July 9–Aug. 19	67.6		— .0064	1.0	— .0147.5	— 83

A graphic construction showed that the values of $\frac{1}{2}R$ might be approximately represented by the expressions—

$$25''.2939 + x + (t - 21^{\circ}.5) z \text{ before July 25, 1894.}$$

$$25''.2647 + y + (t - 21^{\circ}.5) z \text{ after July 25, 1894.}$$

Solving the resulting equations for x , y and z , these expressions become—

$$25''.3075 - 2.21 (t - 21^{\circ}.5).$$

$$25''.2647 - 2.21 (t - 21^{\circ}.5).$$

t being the mean temperature and the coefficient 2.21 expressed in units of the fourth decimal place of the screw value.

From these expressions result the adjusted values given in the foregoing table.

The agreement is not altogether satisfactory, as shown by the residuals—in fact, it would, perhaps, have been better to make a strictly empirical adjustment. However, no appreciable difference could have followed in the final treatment of the latitudes.

No correction has been applied for periodic errors. A former attempt to determine this correction by means of Harkness' measuring engine was not successful; it seemed to be quite small, and it will be pretty effectually eliminated from the mean of a considerable number of measurements.

The Star List.

The derivation of the best attainable values of the star declinations employed has formed a relatively small part of a more extended undertaking, viz.: that of investigating the coördinates of all stars employed in the latitude work of the Sayre Observatory.

This subject will not be treated in detail at present, as the plan involves a more extended presentation in another place.

In the star list which follows the coördinates of those stars found in Newcomb's Fundamental Catalogue* were taken from that publication, but were reduced to the system of Auwers. The declinations of the remaining stars were deduced from what is believed to be practically all existing material, including observations made at the Lick Observatory, kindly furnished in advance of publication by R. H. Tucker. The reduction to Auwers' system has been applied in all cases where such was available. In case of a few of the newer series where this relation had not been investigated the Catalogue places were employed directly, but with a somewhat diminished weight.

It is not to be inferred that the system of Auwers is considered superior to that of Newcomb, but as this is the system more generally used in latitude work of this character, its employment here renders the results more directly comparable with those obtained elsewhere than would otherwise be the case. In the two pages which follow are found the mean coördinates for 1875, with elements of reduction to any epoch which appear to call for no explanation. The numbers are those of the British Association Catalogue. Those stars marked *N* were taken from Newcomb's Catalogue.

This list is followed by a second, giving the mean places for 1894 and 1895. The reduction to apparent place is as follows :

$$\frac{1}{2}(\delta + \delta') = \frac{1}{2}(\delta_0 + \delta'_0) + \frac{1}{2}(\mu' + \mu'_1)\tau + \frac{1}{2}(a' + a'_1)A + \frac{1}{2}(b' + b'_1)B + \frac{1}{2}(c' + c'_1)C + \frac{1}{2}(d' + d'_1)D$$

δ and δ' being the apparent declinations required,

δ_0 and δ'_0 the mean declinations here given.

A, *B*, *C* and *D* are taken from the American Ephemeris, where the significance of the remaining symbols may be found.

* Catalogue of Fundamental Stars for 1875 and 1900 reduced to an absolute system ; Astronomical Papers prepared for the use of the American Ephemeris and Nautical Almanac, Vol. VIII, Part II.

	Star.	Mag.	Right Ascension, 1875.	$\frac{da}{dt}$	$\frac{d^2a}{dt^2}$	μ	Declination, 1875.	$\frac{d\delta}{dt}$	$\frac{d^2\delta}{dt^2}$	$\frac{(100)^3}{6} \frac{d^3\delta}{dt^3}$	μ'	
			^h ^m ^s				[°] ['] ^{''}					
Group I.	(1) 1751	5.5	5 29 55.00	+ 5.9977	+ 00027		65 37 34.15	+ 2.5911	— .008683	— .136	— .0337	
	1821	6.0	5 39 34.23	3.4478	+ 4	— .0006	15 46 17.27	1.7864	— 5015	— .021	+ .0011	
	(2) 1862	6.0	5 45 16.25	+ 3.4068	+ 3	— .0015	14 8 16.31	+ 1.2898	— 4960	— .014	+ .0018	
	1874	7.0	5 47 50.68	6.2172	+ 12		66 59 52.43	1.0174	— 9059	— .053	— .0457	
	(3) 1923	6.0	5 54 17.28	+ 4.3250	+ 3	+ .0105	42 54 45.79	+ 0.3511	— 6323	— .006	— .1487	
	1942	6.0	5 57 58.14	4.1343	+ 2	— .0010	38 29 28.93	0.1357	— 6028	+ .002	— .0420	
	(4) 1970	6.5	6 2 0.21	+ 3.6148	+ 1	— .0032	22 12 28.27	— 0.1745	— 5266	+ .006	+ .0008	
	2007	4.3	6 8 35.62	5.3013	— 4	+ .0009	59 3 10.51	— 0.7247	— 7724	+ .039	+ .0271	N
	(5) 2045	5.5	6 15 53.97	+ 5.2422	— 8	— .0050	58 28 56.15	— 1.3973	— 7613	+ .064	— .0072	
	2101	7.5	6 22 49.04	3.6267	— 1		22 37 32.72	— 1.9912	— 5254	+ .034	+ .0021	
(6) 2139	6.7	6 27 57.13	+ 4.1295	— 5		38 32 37.82	— 2.4613	— 5967	+ .057	— .0215		
2159	5.1	6 30 24.17	4.2894	— 7	— .0013	42 35 46.54	— 2.7119	— 6187	+ .069	— .0594		
(7) 2187	5.1	6 35 11.25	+ 5.3101	— 20	— .0110	59 33 53.72	— 3.0706	— 7624	+ .135	— .0037		
2233	6.0	6 44 3.54	3.5985	— 4	— .0015	21 54 23.21	— 3.8614	— 5133	+ .060	— .0298		
(8) 2301	6.5	6 55 33.66	+ 3.8211	— 9	+ .0132	29 32 40.18	— 5.6255	— 5408	+ .091	— .8112		
2341	5.6	7 3 38.30	4.6964	— 23		51 37 59.68	— 5.4925	— 6563	+ .171	+ .0048		
(9) 2365	7.7	7 7 48.05	+ 5.2023	— 38	— .0100	59 8 14.81	— 5.8709	— 7218	+ .237	— .0243		
2410	3.6	7 12 39.39	3.5900	— 7	— .0009	22 12 37.58	— 6.2573	— 4946	+ .095	— .0056	N	
(10) 2439	5.8	7 17 51.28	+ 6.3099	— 83	+ .0016	68 43 2.93	— 6.7301	— 8650	+ .438	— .0479	N	
2473	4.8	7 22 50.27	3.3439	— 5	— .0002	12 15 47.15	— 7.1017	— .004531	+ .088	— .0099	N	
Group II.	(1) 4694	7.2	14 0 53.56	+ 2.6607	— 4		31 26 53.82	—17.4277	+ .002028	+ .101	— .0994	
	4701	6.0	14 3 37.04	2.2455	— 6	— .0070	50 2 58.10	—17.1566	+ 1751	+ .066	+ .0504	
	(2) 4728	6.0	14 9 21.04	+ 2 4259	— 5		42 6 22.85	—17.0451	+ 1965	+ .079	— .1011	
	4758	6.0	14 14 39.72	2 4642	— 4		39 22 9.29	—16.6933	+ 2064	+ .081	— .0024	
	(3) 4825	6.2	14 29 31.88	+ 2.4567	— 2		37 10 33.39	—15.9886	+ 2244	+ .078	— .0536	
	4841	6.	14 33 30.82	2.2570	— 2	— .0086	44 10 55.50	—15.6918	+ 2104	+ .064	+ .0293	
	(4) 4874	6.2	14 38 56.36	+ 1.4902	+ 10	+ .0115	61 47 42.71	—15.4542	+ 1466	+ .045	— .0323	
	4905	4.6	14 45 37.48	2.7670	+ 2	+ .0100	19 37 14.04	—15.1218	+ 2743	+ .102	— .0803	N
	(5) 4926	5.7	14 50 19 27	+ 2.8287	+ 4	— .0020	14 57 9.49	—14.7674	+ 2853	+ .106	— .0009	N
	4949	4 9	14 55 36.08	0.9348	+ 29	— .0124	66 25 50.42	—14.4330	+ 995	+ .058	+ .0170	N
(6) 4974	4.9	14 59 40.35	+ 1.9810	+ 2	— .0376	48 8 30.82	—14.1646	+ 2062	+ .049	+ .0361	N	
5000	7.2	15 5 34.98	2.4302	— 1		33 33 11.89	—13.8332	+ 2626	+ .070	— .0023		
(7) 5072	5.3	15 16 48.30	+ 2.4004	+ 1	— .0050	33 22 55.55	—13.0931	+ 2701	+ .065	+ .0104		
5113	6.7	15 25 24.60	1.9067	+ 4		48 8 35.78	—12.5294	+ 2226	+ .044	— .0050		
(8) 5147	5.9	15 29 10.63	+ 0.8277	+ 26	— .0140	64 37 46.26	—12.1847	+ 993	+ .057	+ .0806		
5180	5.8	15 35 14.29	2.7536	+ 4	— .0005	16 25 44.63	—11.8507	+ 3291	+ .082	— .0093		
(9) 5210	6.5	15 39 26.97	+ 1.6301	+ 7	— .0040	52 45 22.11	—11.5069	+ 1989	+ .038	+ .0352		
5236	6.0	15 43 25.40	2.4704	+ 3		28 32 28.75	—11.2549	+ 3030	+ .062	+ .0011		
(10) 5271	4 6	15 48 21.29	+ 2.0728	+ 2	+ .0400	42 48 8.18	—10.2675	+ 2634	+ .042	+ .6288	N	
5295	5.5	15 51 14.70	2.1821	+ 3	+ .0037	38 18 32.54	—10.5979	+ 2744	+ .046	+ .0844		

Star.	Mag.	Right Ascension, 1875.	$\frac{da}{dt}$	$\frac{d^2a}{dt^2}$	μ	Declination, 1875.	$\frac{d\delta}{dt}$	$\frac{d^2\delta}{dt^2}$	$\frac{(100)^3}{6} \frac{d^3\delta}{dt^3}$	μ'		
Group III.	(1) 5941 6006	2.3 4.9	^{h m s} 17 29 7.97 17 37 43.11	+ 2.7828 - 0.3592	+ 00003 + 11	+ .0080 + .0018	12 39' 9.19" 68 48 55.94	- 2.9184 - 1.6344	+ .004045 - 510	- .021 + .027	- .2256 + .3151	N N
	(2) 6122 6143	5.8 3.7	17 57 21.18 18 1 25.44	- 1.0456 + 2.8429	+ 6 +	+ .0006 - .0045	72 0 59.20 9 32 51.52	- 0.2394 + 0.2215	- 1523 + 4139	+ .016 - .002	- .0078 + .0969	N
	(3) 6193 6203	6.0 5.3	18 8 54.62 18 11 45.55	+ 1.9987 + 1.8644	+ 2 +	- .0017 - 0007	38 44 22.70 42 7 3.70	+ 0.7838 + 1.0309	+ 2907 + 2710	- .002 - .002	+ .0043 + .0024	N
	(4) 6232 6258	6.5 6.0	18 15 2.80 18 18 33.05	+ 2.3170 1.4124	+ 2 +	+ .0030	29 36 47.62 51 14 28.25	+ 1.3259 1.6091	+ 3370 + 2046	- .006 - .002	+ .0102 - .0122	
	(5) 6373 6387	6.5 4.3	18 36 53.24 18 40 16.96	+ 0.7307 2.5800	- 4 +	4 - 0020	60 35 43.03 20 25 41.21	+ 3.2589 3.1726	+ 1038 + 3687	- .012 - .022	+ .0451 - .3341	N
	(6) 6476 6491	6.0 3.3	18 51 29.30 18 54 16.09	+ 1.5800 2.2432	0 +	- .0085 - 0005	48 42 13.81 32 31 9.37	+ 4.3436 4.7073	+ 2215 + 3159	- .012 - .023	- .1240 + .0029	N
	(7) 6534 6579	5.7 6.0	19 0 12.14 19 8 50.81	+ 2.2792 + 1.5553	+ 1 -	1 - .0153	31 33 32.09 49 37 16.27	+ 5.1369 6.5575	+ 3188 + 2120	- .025 - .022	- .0706 + .6234	
	(8) 6599 6656	4.5 6.5	19 12 1.82 19 19 59.51	+ 2.0805 + 1.8974	+ 1 +	- .0015 + 0027	37 54 43.78 43 8 42.92	+ 6.2136 + 6.8221	+ 2857 + 2574	- .026 - .024	+ .0140 - .0362	N
	(9) 6697 6740	3.9 4.0	19 26 33.26 19 34 26.30	+ 1.5140 + 2.3667	- 2 +	+ .0021 - 0021	51 27 51.02 29 51 58.67	+ 7.5200 + 8.0786	+ 2028 + 3125	- .024 - .042	+ .1250 + .0468	N
Group IV.	(1) 7509 7522	7.3 5.8	21 28 59.03 21 32 16.21	- 0.1756 + 3.0046	- 107 2	107 + 0056	75 51 14.56 5 12 30.91	+ 15.8451 + 16.0610	+ 225 + 2569	- .160 - .135	- .0107 + .0308	
	(2) 7561 7597	2.5 5.0	21 38 2.80 21 41 32.10	+ 2.9467 0.7568	- 1 41	+ 0016 - 0126	9 18 9.89 71 44 50.27	+ 16.3381 + 16.4608	+ 2426 + 546	- .129 - .065	+ .0093 - .0433	N
	(3) B.D. 59.2444 7712	7.4 6.0	21 55 23.04 22 1 58.16	+ 1.8887 + 2.8144	+ 7 +	7 - 0038	59 41 56.30 21 5 42.22	+ 17.1664 + 17.3875	+ 1351 + 1944	- .048 - .119	+ .0044 - .0655	
	(4) 7760 7796	6.2 5.1	22 7 47.39 22 15 21.95	+ 1.3892 2.9526	- 10 2	10 + .0011	69 30 55.01 11 34 33.48	+ 17.7057 + 18.0168	+ 877 + 1822	- .042 - .139	+ .0075 + .0166	N
	(5) 7820 7843	5.0 5.5	22 19 27.00 22 24 18.86	+ 2.4198 2.7378	+ 15 +	- .0027 + .0034	48 50 35.16 31 55 59.80	+ 18.1416 + 18.3258	+ 1419 + 1542	- .080 - .113	- .0133 - .0058	N
	(6) 7915 7932	6.0 5.1	22 35 53.01 22 38 31.18	+ 2.6777 2.6642	+ 15 +	+ 0020 - 0012	39 34 22.44 41 9 49.01	+ 18.7157 + 18.8149	+ 1322 + 1271	- .107 - .106	- .0029 + .0148	N
	(7) 7962 7978	6.0 6.7	22 44 43.70 22 47 28.86	+ 2.6935 2.7275	+ 17 +	17 - .0018	41 17 30.61 39 30 12.46	+ 18.9762 + 19.0465	+ 1185 + 1155	- .110 - .114	- .0061 - .0121	
	(8) 8024 8052	6.5 4.5	22 56 14.00 23 1 1.50	+ 2.5188 2.9141	+ 26 +	26 - 0010	56 26 3.21 24 47 38.07	+ 19.2766 + 19.3660	+ 926 + 998	- .092 - .140	- .0064 - .0279	
	(9) 8078 8122	5.2 6.8	23 5 25.57 23 13 22.04	+ 3.0270 2.1787	+ 3 +	- 0007 - 0096	8 2 29.52 73 0 21.60	+ 19.5022 + 19.6084	+ 957 + 555	- .157 - .063	+ .0139 - .0321	N
	(10) 8195 8229	6.0 4.3	23 25 8.80 23 32 0.62	+ 2.9332 2.9250	+ 21 +	+ 0223 + 0024	38 32 58.87 42 34 34.12	+ 19.7497 + 19.9075	+ 567 + 434	- .144 - .144	- .0731 + .0026	N
	(11) 8252 8284	6.5 6.0	23 37 0.68 23 43 19.97	+ 2.8950 3.0239	+ 35 +	- 0030 + 0036	52 27 33.04 28 8 47.79	+ 19.9492 + 20.0206	+ 336 + 235	- .139 - .159	- .0042 + .0194	
	(12) 8317 8324	7.5 4.8	23 49 18.36 23 51 24.51	+ 2.9744 3.0464	+ 44 +	- 0028 - 0031	56 42 59.50 24 26 47.38	+ 20.0216 + 20.0143	+ 116 + 80	- .151 - .163	- .0108 - .0258	N

<i>Pair.</i>	<i>a1894.</i>			<i>1895.</i>	<i>δ1894.</i>			<i>1895.</i>	<i>Zenith Distance, 1894.</i>				<i>S-N.</i>
	<i>h</i>	<i>m</i>	<i>s</i>	<i>s</i>	<i>°</i>	<i>'</i>	<i>"</i>	<i>"</i>	<i>°</i>	<i>'</i>	<i>"</i>		<i>'</i> <i>"</i>
Group I.	(1)	5 31 49.01 5 40 39.75	55.01 43.20	65 38 21.82 15 46 50.30	24.24 51.99	25 1 58 24 49 34	N S						— 12 24
	(2)	5 46 20.98 5 49 48.83	24.39 55.05	14 8 39.92 67 0 10.13	41.11 10.97	26 27 44 26 23 46	S N					+	3 58
	(3)	5 55 39.46 5 59 16.70	43.79 20.83	42 54 51.33 38 29 30.42	51.55 30.44	2 18 27 2 6 54	N S					—	11 33
	(4)	6 3 8.89 6 10 16.34	12.50 21.64	22 12 24.01 59 2 55.35	23.73 54.47	18 24 0 18 26 31	S N					—	2 31
	(5)	6 17 33.56 6 23 57.95	38.80 61.58	53 28 28.23 22 36 53.95	26.68 51.85	17 52 4 17 59 30	N S					+	7 26
	(6)	6 29 15.58 6 31 45.66	19.71 49.95	33 31 49.98 42 34 53.90	47.40 51.06	2 4 34 1 58 30	S N					+	6 4
	(7)	6 36 52.11 6 45 11.90	57.42 15.50	59 32 54.00 21 53 8.92	50.78 4.96	18 56 30 18 43 15	N S					—	13 15
	(8)	6 56 46.24 7 5 7.49	50.06 12.18	29 30 52.32 51 36 14.14	46.59 8.52	11 5 32 10 59 50	S N					+	5 42
	(9)	7 9 26.83 7 13 47.59	32.03 51.18	59 6 21.97 22 10 37.80	15.95 31.44	18 29 58 18 25 46	N S					—	4 12
	(10)	7 19 51.02 7 23 53.79	57.31 57.13	68 40 53.50 12 13 31.40	46.60 24.21	28 4 30 28 22 53	N S					+	18 23
Group II.	(1)	14 1 44.11 14 4 19.69	46.77 21.93	31 21 23.06 49 57 32.44	5.67 15.32	9 15 1 9 21 8	S N					—	6 7
	(2)	14 10 7.12 14 15 26.53	9.55 28.99	42 0 59.35 39 16 52.49	42.34 35.84	1 24 35 1 19 32	N S					—	5 3
	(3)	14 30 18.55 14 34 13.70	21.01 15.96	37 5 30.01 44 5 57.73	14.07 42.08	3 30 54 3 29 34	S N					+	1 20
	(4)	14 39 24.69 14 46 30.06	26.18 32.83	61 42 49.34 19 32 27.22	33.92 12.15	21 6 25 21 3 57	N S					—	2 28
	(5)	14 51 13.02 14 55 53.89	15.85 54.83	14 52 29.42 66 21 16.37	14.71 1.96	25 43 55 25 44 52	S N					—	0 57
	(6)	15 0 17.99 15 6 21.15	19.97 23.58	48 3 62.06 33 28 49.53	47.94 35.76	7 27 38 7 7 34	N S					—	20 4
	(7)	15 17 33.91 15 26 0.83	36.31 2.74	33 18 47.27 48 4 38.12	34.23 25.64	7 17 37 7 28 14	S N					—	10 37
	(8)	15 29 26.40 15 36 6.62	27.23 9.37	64 33 54.93 16 21 60.06	42.76 48.27	23 57 31 24 14 24	N S					+	16 53
	(9)	15 39 57.96 15 44 12.34	59.59 14.81	52 41 43.84 28 28 55.45	32.37 44.26	12 5 20 12 7 29	N S					+	2 9
	(10)	15 49 0.68 15 51 56.17	2.75 58.35	42 44 53.57 38 15 11.67	43.36 1.13	2 8 30 2 21 12	N S					+	12 42

Pair.		<i>a</i> 1894.			1895.	<i>δ</i> 1894.			1895.	Zenith Distance, 1894.				S-N.
		^h	^m	^s	^s	[°]	[']	^{''}	^{''}	[°]	[']	^{''}	S	' "
Group III.	(1)	17	30	0.85	3.63	12	38	14.47	11.63	27	58	10	S	
		17	37	34.30	33.94	68	48	24.79	23.15	28	12	1	N	— 13 51
	(2)	17	57	1.33	0.29	72	0	54.88	54.11	31	24	30	N	
		18	2	19.46	22.30	9	32	56.48	56.78	31	3	28	S	— 21 2
	(3)	18	9	32.60	34.60	38	44	38.12	38.96	1	51	46	S	
		18	12	20.98	22.84	42	7	23.77	24.86	1	31	0	N	+ 20 46
	(4)	18	15	46.83	49.15	29	37	13.42	14.81	10	59	11	S	
		18	18	59.89	61.30	51	14	59.19	60.84	10	38	35	N	+ 20 36
	(5)	18	37	7.12	7.85	60	36	45.14	48.42	20	0	21	N	
Group IV.		18	41	5.98	8.56	20	26	42.15	45.40	20	9	42	S	+ 9 21
	(6)	18	51	59.32	60.90	48	43	36.73	41.12	8	7	13	N	
		18	54	58.71	60.95	32	32	39.38	44.15	8	3	45	S	— 3 28
	(7)	19	0	55.45	57.73	31	35	10.27	15.47	9	1	14	S	
		19	9	20.36	21.91	49	39	21.24	27.84	9	2	57	N	— 1 43
	(8)	19	12	41.35	43.43	37	56	42.35	48.62	2	39	42	S	
		19	20	35.56	37.46	43	10	53.01	59.88	2	34	29	N	+ 5 13
	(9)	19	27	2.02	3.53	51	30	14.27	21.83	10	53	50	N	
		19	35	11.27	13.64	29	54	32.73	40.87	10	41	51	S	— 11 59
	(1)	21	28	55.50	55.30	75	56	15.58	31.42	35	19	52	N	
		21	33	13.29	16.29	5	17	36.53	52.64	35	18	47	S	— 1 5
	(2)	21	38	58.79	61.74	9	23	20.75	37.14	31	13	3	S	
		21	41	46.41	47.16	71	50	3.13	19.60	31	13	39	N	— 0 36
	(3)	21	55	58.94	60.83	59	47	22.71	39.90	19	10	59	N	
		22	2	51.64	54.46	21	11	12.93	30.36	19	25	11	S	+ 14 12
	(4)	22	8	13.77	15.16	69	36	31.58	49.30	29	0	8	N	
		22	16	18.05	21.00	11	40	16.13	34.18	28	56	8	S	— 4 0
	(5)	22	20	13.00	15.42	48	56	20.11	38.28	8	19	56	N	
		22	25	10.90	13.64	32	1	48.26	66.62	8	34	36	S	+ 14 40
	(6)	22	36	43.91	46.59	39	40	18.28	37.02	0	56	6	S	
		22	39	21.83	24.50	41	15	46.72	65.56	0	39	23	N	+ 16 43
	(7)	22	45	34.91	37.61	41	23	31.37	50.37	0	47	7	N	
		22	48	20.71	23.44	39	36	14.55	33.62	1	0	9	S	+ 13 2
	(8)	22	57	1.90	4.42	56	32	9.63	28.93	15	55	46	N	
		23	1	56.89	59.81	24	53	46.20	65.59	15	42	38	S	— 13 8
	(9)	23	6	23.09	26.12	8	8	40.24	59.76	32	27	44	S	
		23	14	3.51	5.69	73	6	34.26	53.88	32	30	10	N	— 2 26
	(10)	23	26	4.57	7.51	33	39	14.22	33.98	1	57	10	S	
		23	32	56.24	59.17	42	40	52.44	72.36	2	4	28	N	— 7 18
	(11)	23	37	55.75	58.65	52	33	52.13	72.09	11	57	28	N	
		23	44	17.45	20.48	28	15	8.22	28.25	12	21	16	S	+ 23 48
	(12)	23	50	14.95	17.93	56	49	19.94	39.96	16	12	56	N	
		23	52	22.42	25.47	24	33	7.66	27.68	16	3	16	S	— 9 40

The Latitude Observations.

The details of the latitude determination are found in the pages following. The expression for the latitude is—

$$\phi = \frac{1}{2} (\delta + \delta') + \frac{1}{2} R (M - M') + \frac{1}{4} d [(n - n') - (s' - s)] + (m + m') + \frac{1}{2} (r - r')$$

M and M' are the corrected readings of the micrometer.

n, s, n', s' , the readings of the north and south end of the level for the two stars.

m, m' , corrections for curvature.

r, r' , corrections for refraction.

The contents of most of the columns will be sufficiently explained by the headings.

Column P gives the position of the instrument.

D , direct, the telescope east when pointing south of the zenith.

R , reverse, the telescope west when pointing south of the zenith.

Column C gives the correction for progressive errors of the screw.

Levels A and B , the value of $(n - n') - (s' - s)$ for each level.

Column δ gives the correction required on account of $\Delta \frac{1}{2} R$, found on page 83. In case of those pairs observed with threads II and IV this is combined with the correction for the amount by which the distance between those threads differs from twenty revolutions of the screw.

Throughout this table the footnote references *a*, *b*, *c*, and *d* indicate as follows: *a*=e. e. f.; *b*=definition very poor; *c*=levels discordant; *d*=clouds.

1894	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	<i>l</i>	<i>r</i>	Mer		
Jan. 19	I	1 D	27.8237	12.6470	+ 31	-2.9	-3.4	40 42 48.42	-6 23.56	- 60	- 90	-13.	8	40 36 23.31	30.6
			24.6583	20.4470	+ 94	-4.0	-2.0	40 34 36.71	+1 46.65	+ 17	- 90	+ 4	8	22.75	
			30.1117	15.9673	+374	+1.2	+ .8	40 42 22.54	-5 58.34	- 56	+ 30	-10	6	23.90	
			18.5863	22.0447	+ 8	+1.3	+ .1	40 37 50.67	-1 27.41	- 14	+ 23	- 3	7	23.39	31.6
			17.1530	25.5403	+ 97	- .2	-1.3	40 32 51.48	+3 32.17	+ 33	- 20	+ 7	7	23.92	
	6		25.1847	18.3807	+106	-4.5	-4.4	40 33 31.80	+2 52.19	+ 26	-1.28	+ 5	6	23.08	
			29.3270	13.2580	+191	+1.0	+1.0	40 43 10.77	-6 46.48	- 64	+ 29	-12	7	23.89	
			23.8183	17.9970	+ 34	-2.9	-2.9	40 33 41.17	+2 42.34	+ 25	- 84	+ 5	6	23.03	30.6
			22.2080	16.9083	- 21	-1.6	-2.0	40 38 37.24	-2 13.73	- 21	- 51	- 4	7	22.82	
			7.5603 ⁱⁱ	29.0650 ^{iv}	- 24	-1.5	-1.2	40 27 19.29	+9 3.31	+ 83	- 40	+20	9	23.32	29.6
Jan. 25	I	1 R	14.0800	29.3317	+227	+ .9	+ .7	40 42 49.16	-6 25.95	- 60	+ 26	-13	8	22.82	21.5
			19.9213	24.0473	+ 70	+1.9	+ .9	40 34 37.46	+1 44.43	+ 17	+ 42	+ 4	8	22.60	
			14.6907	28.9170	+222	- .1	+ .4	40 42 23.36	-6 0.03	- 56	+ 3	-10	6	22.76	21.0
			24.2683	20.7807	+ 77	+1.5	+1.6	40 37 51.48	-1 28.32	- 14	+ 44	- 3	7	23.50	21.0
			24.8627	16.5750	+ 52	+1.6	+1.5	40 32 52.30	+3 29.54	+ 33	+ 45	+ 7	7	22.76	
	6		16.3180	23.0093	- 22	+1.7	+1.2	40 33 32.66	+2 49.02	+ 26	+ 45	+ 5	6	22.50	
			12.1583	28.3080	+ 32	+ .7	+ .6	40 43 11.61	-6 48.15	- 64	+ 18	-12	7	22.95	
			17.2093	23.5427	+ 20	+2.0	+1.5	40 33 42.02	+2 40.08	+ 25	+ 52	+ 5	6	22.98	20.2
			18.1737	23.5317	+ 40	- .3	+ .3	40 38 38.11	-2 15.48	- 21	- 1	- 4	7	22.44	
			31.7237 ^{iv}	10.2847 ⁱⁱ	+ 12	-2.1	- .2	40 27 20.05	+9 1.74	+ 83	- 36	+20	9	22.55	20.6
Jan. 27	I	1 D	27.6193	12.3807	- 1	- .7	-2.2	40 42 49.29	-6 25.04	- 60	- 41	-13	8	23.19	26.8
			22.0680	17.9097	0	+1.1	+ .1	40 34 37.62	+1 45.07	+ 17	+ 17	+ 4	8	23.15	
			27.3453	18.1350	+ 30	-1.0	+1.2	40 42 23.54	-5 59.14	- 56	- 31	-10	6	23.49	26.4
			17.1290	20.6350	- 34	+ .6	- .3	40 37 51.66	-1 28.50	- 14	+ 6	- 3	7	23.12	
			15.3263	23.6640	- 37	0	+ .2	40 32 52.49	+3 30.58	+ 33	+ 2	+ 7	7	23.56	
	6		23.2457	16.5013	- 7	- .8	-1.8	40 33 32.86	+2 50.40	+ 26	- 37	+ 5	6	23.26	26.8
			27.9270	11.8237	- 22	-1.9	-1.8	40 43 11.80	-6 46.84	- 64	- 55	-12	7	23.72	26.6
			23.3103	16.9490	+ 7	-1.3	- .5	40 33 42.24	+2 40.75	+ 25	- 26	+ 5	6	23.09	
			21.9970	17.6553	- 8	+ .2	+ .9	40 38 38.33	-2 14.95	- 21	+ 14	- 4	7	23.34	
			8.3810 ⁱⁱ	29.8150 ^{iv}	- 11	0	0	40 27 20.25	+9 1.56	+ 83	0	+20	9	22.93	
Jan. 27	II	1 D	15.6303	22.0747	- 64	-1.5	-1.2	40 39 6.40	-2 42.67	- 25	- 41	- 5	6	23.08	23.8
			23.7070	18.5513	+ 34	+ .9	+ .5	40 38 34.01	-2 10.36	- 20	+ 22	- 3	6	23.70	
			21.9730	19.5720	+ 15	+ .7	- .1	40 35 21.41	+1 0.71	+ 10	+ 10	+ 2	6	22.40	
			19.7397	17.6017	- 25	- .6	+1.0	40 37 16.62	- 53.95	- 8	+ 3	- 2	7	22.67	
			19.4913	19.8543	- 1	+2.2	+1.7	40 36 31.45	- 9.17	- 1	+ 57	- 0	9	22.93	22.6
	6		31.2783 ^{iv}	8.3383 ⁱⁱ	- 5	+1.6	+1.6	40 46 2.72	-9 39.63	- 88	+ 48	-17	6	22.58	
			14.6627	26.3770	+ 53	- .5	+ .6	40 41 19.42	-4 56.13	- 46	+ 1	- 8	6	22.82	
			9.5983 ⁱⁱ	30.4910 ^{iv}	0	+ .9	- .6	40 27 35.41	+8 47.91	+ 81	+ 7	+17	8	24.45	22.6
			12.5893	27.8300	+ 26	+ .5	+ .8	40 42 49.35	-6 25.16	- 60	+ 18	-13	8	23.72	24.0
			19.0140	23.1793	+ 41	+ .1	- .5	40 34 37.67	+1 45.35	+ 17	- 5	+ 4	8	23.26	
Jan. 28	I	1 R	13.6527	27.8787	+ 91	- .1	+ .8	40 42 23.60	-5 59.69	- 56	+ 9	-10	6	23.40	
			23.6663	20.1833	+ 58	+1.5	+1.5	40 37 51.73	-1 28.15	- 14	+ 43	- 3	7	23.91	
			23.9243	15.5990	- 19	- .3	+ .2	40 32 52.56	+3 30.31	+ 33	- 2	+ 7	7	23.32	<i>a</i>
			17.0703	23.7873	+ 26	- .4	- .9	40 33 32.95	+2 49.79	+ 26	- 20	+ 5	6	22.91	
			13.7950	29.9000	+259	-1.6	- .9	40 43 11.88	-6 47.59	- 64	- 38	-12	7	23.22	22.3
	30	I	24.8433	9.5513	-373	-1.8	-1.0	40 42 49.44	-6 25.45	- 60	- 40	-13	8	22.94	32.6
			22.4630	18.3093	+ 14	-1.2	-2.9	40 34 37.78	+1 44.99	+ 17	- 56	+ 4	8	22.50	
			26.3643	12.0900	- 96	+1.4	+ .5	40 42 23.73	-6 0.43	- 56	+ 29	-10	6	22.99	
			17.9990	21.5027	- 6	- .8	-1.5	40 37 51.85	-1 28.51	- 14	- 34	- 3	7	22.90	
			16.8840	25.1503	+ 73	+ .8	+ .8	40 32 52.69	+3 29.05	+ 33	+ 24	+ 7	7	22.45	32.3
Jan. 30	I	6	23.8970	17.1903	+ 32	- .6	-1.2	40 33 33.09	+2 49.54	+ 26	- 25	+ 5	6	40 36 22.75	32.4
			28.1793	12.0373	+ 16	-2.0	- .5	40 43 12.02	-6 47.91	- 64	- 38	-12	7	23.04	31.6
			22.1067	15.7443	- 61	-1.0	-1.0	40 33 42.48	+2 40.61	+ 25	- 29	+ 5	6	23.16	
			22.5473	17.2050	- 6	-1.2	-1.7	40 38 38.56	-2 14.97	- 21	- 41	- 4	7	23.00	
			8.1260 ⁱⁱ	29.5650 ^{iv}	- 13	+ .5	+ .7	40 27 20.46	+9 1.68	+ 83	+ 17	+20	9	23.43	31.1
	I	6	23.8970	17.1903	+ 32	- .6	-1.2	40 33 33.09	+2 49.54	+ 26	- 25	+ 5	6	40 36 22.75	32.4
			28.1793	12.0373	+ 16	-2.0	- .5	40 43 12.02	-6 47.91	- 64	- 38	-12	7	23.04	31.6
			22.1067	15.7443	- 61	-1.0	-1.0	40 33 42.48	+2 40.61	+ 25	- 29	+ 5	6	23.16	
			22.5473	17.2050	- 6	-1.2	-1.7	40 38 38.56	-2 14.97	- 21	- 41	- 4	7	23.00	
			8.1260 ⁱⁱ	29.5650 ^{iv}	- 13	+ .5	+ .7	40 27 20.46	+9 1.68	+ 83	+ 17	+20	9	23.43	31.1

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Jan. 31	I	1	R	11.4543	26.7167	-124	-.4	-.9	40 42 49.50	-6 25.33	- 60	- 20	-13 8	40 36 23.32	28.0
		2		17.9183	22.1020	0	-2.1	-2.1	40 34 37.84	+1 45.71	+ 17	- 62	+ 4 8	23.22	
		4		22.3530	18.8797	+ 18	+ .6	-1.0	40 37 51.93	-1 27.81	- 14	- 3	- 3 7	23.99	28.7
		5		24.9987	16.6793	+ 59	-2.0	-1.1	40 32 52.76	+3 30.36	+ 33	- 45	+ 7 7	23.14	
		6		16.7357	23.4720	+ 6	-.3	-1.2	40 33 33.18	+2 50.22	+ 26	- 22	+ 5 6	23.55	
		7		12.4090	28.5417	+ 66	-.6	-.0	40 43 12.10	-6 47.80	- 64	- 8	-12 7	23.53	
		8		17.7410	24.0937	+ 51	+ .4	+ .6	40 33 42.56	+2 40.65	+ 25	+ 12	+ 5 6	23.69	27.5
		9		18.1583	23.5107	+ 40	-.4	-.2	40 38 38.65	-2 15.34	- 21	- 9	- 4 7	23.04	
Feb. 1	II	10		32.2200 ^{iv}	10.8167 ⁱⁱ	+ 19	+1.2	+1.8	40 27 20.54	+9 0.86	+ 83	+ 42	+20 9	22.94	28.4
		1	R	22.9023	16.4937	- 18	-2.2	-2.2	40 39 5.94	-2 41.88	- 25	- 66	- 5 6	23.16	23.4
		2		18.4417	23.5673	+ 45	-1.0	-.4	40 38 33.51	-2 9.63	- 20	- 21	- 3 6	23.50	
		3		19.4670	21.9317	+ 14	-.4	+ .1	40 35 20.83	+1 2.31	+ 10	- 5	+ 2 6	23.27	
		4		20.5023	22.5873	+ 28	-.1	-.6	40 37 16.04	- 52.75	- 8	- 9	- 2 7	23.17	23.2
		5		21.7963	21.4990	+ 4	+ .2	+ .3	40 36 30.93	- 7.52	- 1	- 1	0 9	23.48	
		6		9.1133 ⁱⁱ	31.9680 ^{iv}	+ 17	-1.7	-2.0	40 46 2.04	-9 37.53	- 88	- 56	-17 6	22.96	
		7		26.7263	15.0633	+ 92	+1.7	+ .5	40 41 18.66	-4 54.93	- 46	+ 33	- 8 6	23.58	23.1
		8		31.5433 ^{iv}	10.6517 ⁱⁱ	+ 8	+ .4	0	40 27 34.67	+8 47.90	+ 81	+ 8	+17 8	23.71	
Feb. 4	II	10		27.2713 ^{iv}	11.2683 ⁱⁱ	+ 25	-1.2	-1.5	40 29 38.32	+6 44.42	+ 61	- 38	+11 7	23.15	
		1	D	16.1913	22.6443	- 33	+1.1	+1.9	40 39 5.63	-2 42.97	- 25	+ 45	- 5 6	22.87	13.2b
		2		23.3880	18.2530	+ 37	+1.1	+ .2	40 38 33.17	-2 9.84	- 20	+ 20	- 3 6	23.36	
Feb. 5	I	3		20.8503	18.3943	- 9	-1.3	-.9	40 35 20.44	+1 2.03	+ 10	- 33	+ 2 6	22.32	12.3
		1	D	27.4927	12.1777	- 22	+ .5	+ .3	40 42 50.00	-6 26.92	- 60	+ 12	-13 8	22.55	18.2
		2		22.6073	18.4380	+ 19	-1.5	-2.4	40 34 38.37	+1 45.40	+ 17	- 55	+ 4 8	23.51	
		4		17.8907	21.4060	- 10	-1.6	-1.1	40 37 52.49	-1 28.80	- 14	- 40	- 3 7	23.19	
		5		17.0087	25.3177	+ 85	-1.3	-1.5	40 32 53.36	+3 30.16	+ 33	- 40	+ 7 7	23.59	15.8
		6		24.2170	17.4928	+ 50	-1.8	-1.7	40 33 33.81	+2 50.03	+ 26	- 53	+ 5 6	23.68	
		7		28.7087	12.5730	+ 90	-1.5	-1.1	40 43 12.72	-6 47.94	- 64	- 38	-12 7	23.71	16.6
		8		23.2483	16.9587	+ 7	-.4	-.7	40 33 43.22	+2 38.94	+ 25	- 18	+ 5 6	22.34	
		9		23.1897	17.8310	+ 25	-1.7	-2.0	40 38 39.30	-2 14.96	- 21	- 52	- 4 7	23.64	
		10		9.2247 ⁱⁱ	30.6597 ^{iv}	0	-1.7	-.6	40 27 21.14	+9 1.61	+ 83	- 34	+20 9	23.53	15.2
Feb. 6	I	1	R	12.7857	28.0720	+ 57	-.1	-.3	40 42 50.11	-6 26.39	- 60	- 7	-13 8	23.00	22
		2		18.3310	22.4823	+ 16	-3.2	-4.6	40 34 58.48	+1 44.43	+ 17	-1.11	+ 4 8	22.09	
		3		13.2433	27.5070	+ 47	- .9	-1.2	40 42 24.52	-6 0.53	- 56	- 30	-10 6	23.09	
		4		22.9643	19.4523	+ 36	+ .7	+ .4	40 37 52.64	-1 28.83	- 14	+ 16	- 3 7	23.87	23.6
		5		24.2867	16.0197	+ 13	+ .3	+2.1	40 32 53.49	+3 28.92	+ 33	+ 32	+ 7 7	23.20	23.5
		6		17.3513	24.0637	+ 41	+ .3	+ .5	40 33 33.95	+2 49.71	+ 26	+ 10	+ 5 6	24.13	
		7		13.0087	29.1663	+154	0	0	40 43 12.87	-6 48.65	- 64	0	-12 7	23.53	23.0
		8		17.7067	24.0000	+ 47	+1.6	+1.4	40 33 43.37	+2 39.14	+ 25	+ 45	+ 5 6	23.32	
		9		17.6847	23.0847	+ 18	+ .1	0	40 38 39.45	-2 16.49	- 21	+ 3	- 4 7	22.81	a
		10		32.4257 ^{iv}	11.0243 ⁱⁱ	+ 23	0	-.2	40 27 21.29	+9 0.82	+ 83	- 2	+20 9	23.21	23.4
Feb. 11	I	1	D	27.9173	12.6390	+ 38	-1.8	-2.5	40 42 50.39	-6 26.14	- 60	- 60	-13 8	23.00	33.5
		2		22.9650	18.8243	+ 32	-1.5	0	40 34 38.81	+1 44.71	+ 17	- 24	+ 4 8	23.57	
		3		28.1970	13.8757	+130	+2.6	+1.3	40 42 24.90	-6 2.19	- 56	+ 57	-10 6	22.68	
		4		18.0300	21.5780	- 5	-.9	-2.3	40 37 53.04	-1 29.64	- 14	- 44	- 3 7	22.86	33.3
		5		16.5260	24.7923	+ 47	-.5	-.1	40 32 53.92	+3 28.99	+ 33	- 11	+ 7 7	23.27	
		7		29.4467	13.2903	+193	-.5	-1.9	40 43 13.35	-6 48.72	- 64	- 31	-12 7	23.63	
		8		23.7220	17.4473	+ 32	-.5	-1.5	40 33 43.92	+2 38.63	+ 25	- 27	+ 5 6	22.64	32.1
		9		23.9587	18.5483	+ 59	+ .8	+2.2	40 38 40.00	-2 16.86	- 21	+ 42	+ 4 7	23.38	32.6
		10		9.8677 ⁱⁱ	31.2503 ^{iv}	+ 4	+ .2	-.1	40 27 21.82	+9 0.30	+ 83	+ 1	+20 9	23.25	
	II	1	D	15.6027	22.0210	- 69	-.8	+ .4	40 39 5.44	-2 42.00	- 25	- 10	- 5 6	23.10	25.2
Feb. 15	I	2		23.9343	18.8043	+ 60	+ .9	+ .4	40 38 32.92	-2 9.77	- 20	+ 21	- 3 6	23.19	24.8
		1	R	12.0227	27.3173	- 45	-.8	-1.4	40 42 50.54	-6 26.34	- 60	- 32	-13 8	23.23	27.4
		2		18.6237	22.7487	+ 24	-1.8	-.4	40 34 38.99	+1 44.29	+ 17	- 34	+ 4 8	23.23	
		3		13.3550	27.6370	+ 62	-.6	-.7	40 42 25.12	-6 1.03	- 56	- 17	-10 6	23.32	
		4		23.8620	20.3357	+ 65	-1.3	-.6	40 37 53.27	-1 29.27	- 14	- 27	- 3 7	23.63	26.5

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.		Thermom.	
						A	B		Micrometer.	δ	l	r	Mer				
Feb.	I	5	R	24.9280	16.6793	+ 56	+ .4	— .2	40 33 54.17	+ 3 28.57	+ 33	+ 2	+ 7	7	40 36 23.23	○	
15		6		17.2970	23.9450	+ 36	— 1.1	— .3	40 33 34.71	+ 2 48.07	+ 26	— 21	+ 5	6	22.94	25.4	
		7		13.0220	29.2033	+ 155	— .6	— 1.4	40 43 13.62	— 6 49.25	— 64	— 29	— 12	7	23.39	24.8	
		8		17.5477	23.7933	+ 37	+ 1.0	+ 1.3	40 33 44.23	+ 2 37.90	+ 25	+ 33	+ 5	6	22.82		
		9		18.4893	23.9123	+ 56	— .2	+ .2	40 38 40.31	— 2 17.17	— 21		0	— 4	7	22.96	25.3
Feb.	I	1	D	26.2933	11.0240	— 177	+ 1.1	— 2.2	40 42 50.62	— 6 25.37	— 60	— 11	— 13	8	[24.49]	16.3c	
16		2		23.2107	19.0543	+ 41	— 4.3	— 1.0	40 34 39.07	+ 1 45.13	+ 17	— 82	+ 4	8	[23.67]	c	
		3		27.7577	13.4470	+ 75	+ 2.3	+ 1.0	40 42 25.21	— 6 1.79	— 56	+ 48	— 10	6	23.30	b	
		4		18.2070	21.7377	— 1	— .1	— .5	40 37 53.36	— 1 29.21	— 14	— 10	— 3	7	23.95	17.5	
		5		16.9117	25.1300	+ 73	+ 2.0	+ 1.8	40 32 54.26	+ 3 27.84	+ 33	+ 54	+ 7	7	23.11		
		6		24.8087	18.1883	+ 87	+ 1.7	+ .1	40 33 34.82	+ 2 47.50	+ 26	+ 27	+ 5	6	22.96		
		7		28.1637	11.9810	+ 10	— .2	+ 2.0	40 43 13.72	— 6 48.92	— 64	+ 23	— 12	7	[24.34]	17.9c	
		8		23.7047	17.4350	+ 32	+ .6	+ 1.0	40 33 44.34	+ 2 38.50	+ 25	+ 22	+ 5	6	23.42	16.6	
		9		24.3793	18.9517	+ 70	— .7	— .3	40 38 40.42	— 2 17.32	— 21	— 15	— 4	7	22.77		
		10		9.3317 ⁱⁱ	30.7380 ^{iv}	— 0	— 1.3	— 2.3	40 27 22.05	+ 9 0.89	+ 83	— 54	+ 20	9	23.52		
	II	1	D	17.1837	23.5290	+ 20	— 3.1	— 3.1	40 39 5.27	— 2 40.38	— 25	— 90	— 5	6	23.75	9.5b	
		2		23.2423	18.1080	+ 31	— .2	+ .2	40 38 32.72	— 2 9.81	— 20	— 5	— 3	6	22.69		
		3		20.7750	18.2593	— 11	— .7	— 1.4	40 35 19.79	+ 1 3.54	+ 10	— 29	+ 2	6	23.22	10.4	
		4		20.4573	18.4507	— 9	— .9	— .7	40 37 14.90	— 50.68	— 8	— 25	— 2	7	23.94	10.8b	
		5		18.6610	18.8947	— 4	— 1.0	— 1.9	40 36 29.64	— 5.89	— 1	— 40		9	23.43		
		6		31.6043 ^{iv}	8.7930 ⁱⁱ	+ 5	— .3	— .2	40 46 0.61	— 9 36.40	— 88	— 7	— 17	6	23.15	10.2	
		7		14.2550	25.8927	+ 7	+ 1.6	+ 3.0	40 41 16.99	— 4 54.07	— 46	+ 62	— 8	6	23.06	10.0	
		8		9.2690 ⁱⁱ	30.1943 ^{iv}	— 2	+ 2.5	+ 1.8	40 27 32.97	+ 8 48.73	+ 81	+ 63	+ 17	8	23.39		
Feb.	I	10		11.5430	27.6193	+ 15	+ .3	— .3	40 29 36.31	+ 6 46.25	+ 61	+ 1	+ 11	7	23.36	9.9	
19		1	R	13.3837	28.7000	+ 139	+ .4	+ .1	40 42 50.88	— 6 27.36	— 56	+ 5	— 13	8	22.96	36	
		2		18.6097	22.7193	+ 23	— 1.4	— 1.7	40 34 39.36	+ 1 43.90	+ 15	— 44	+ 4	8	23.09		
Feb.	I	3	R	12.8043	27.1183	— 5	— 1.1	— 1.1	40 42 25.53	— 6 1.67	— 53	— 39	— 10	6	22.90	36.5	
20		2		17.7277	21.8047	— 9	— 1.6	— .8	40 34 39.45	+ 1 42.99	+ 15	— 39	+ 4	8	22.32	33.9	
		3		12.0477	26.3877	— 97	— 1.1	0	40 42 25.63	— 6 2.09	— 53	— 17	— 10	6	22.80		
		4		22.8067	19.2490	+ 32	— 1.0	— 1.0	40 37 53.79	— 1 29.98	— 13	— 27	— 3	7	23.45	34.1	
Feb.	I	1	R	11.9477	27.3090	— 50	+ 1.5	+ 1.5	40 42 51.08	— 6 28.02	— 56	+ 41	— 13	8	22.86	22.5	
23		2		17.6373	21.6820	— 12	+ 2.6	+ 1.7	40 34 39.60	+ 1 42.17	+ 15	+ 63	+ 4	8	22.67		
		3		13.3587	27.6937	+ 66	+ 1.3	+ .6	40 42 25.81	— 6 2.38	— 53	+ 30	— 10	6	23.16		
		4		23.2730	19.6704	+ 46	+ .8	+ .8	40 37 54.00	— 1 31.15	— 13	+ 23	— 3	7	22.99		
		5		25.2697	17.0783	+ 84	— 1.1	— 0	40 32 54.94	+ 3 27.19	+ 30	— 15	+ 7	7	22.42	22.3	
		6		16.7523	23.3610	+ 4	+ 2.1	+ 2.2	40 33 35.57	+ 2 47.00	+ 24	+ 62	+ 5	6	23.54	*	
		7		13.3100	29.5347	+ 201	— .4	+ .3	40 43 14.49	— 6 50.47	— 60	— 1	— 12	7	23.36	21.4	
		8		18.7200	24.9213	+ 98	+ 1.5	+ 1.7	40 33 45.21	+ 2 36.94	+ 23	+ 47	+ 5	6	22.96		
		9		18.0897	23.4643	+ 40	+ 1.9	+ 2.4	40 38 41.30	— 2 18.43	— 20	+ 61	— 4	7	23.31		
		10		32.1343 ^{iv}	10.7993 ⁱⁱ	+ 17	— .2	+ .2	40 27 23.05	+ 8 59.13	+ 77	— 0	+ 20	9	23.24	20.1	
	II	1	D	18.4400	24.8253	+ 91	+ .9	+ .7	40 39 5.44	— 2 41.57	— 24	+ 23	— 5	6	23.87	12.0	
		2		22.6247	17.4540	+ 2	+ 3.6	+ 3.1	40 38 32.84	— 2 10.66	— 19	+ 98	— 3	6	23.00		
		3		20.7480	18.2877	— 10	+ .4	+ 1.0	40 35 19.78	+ 1 2.14	+ 9	+ 21	+ 2	6	22.30	11.9	
		4		20.1477	18.0977	— 15	— .3	— .1	40 37 14.81	— 51.76	— 8	— 6	— 2	7	22.96	11.6	
		5		19.8987	20.1760	+ 1	+ 1.0	+ 1.3	40 36 29.47	— 7.01	— 1	+ 33	— 0	9	22.87		
		6		31.1100 ^{iv}	8.2883 ⁱⁱ	— 8	+ .9	— .5	40 46 0.42	— 9 36.63	— 82	+ 8	— 17	6	22.94	11.1	
		7		13.8853	25.5263	— 152	— .0	+ .8	40 41 16.66	— 4 53.76	— 43	+ 10	— 8	6	22.55		
Feb.	I	10		9.7060 ⁱⁱ	25.7673 ^{iv}	+ 78	+ .9	— .3	40 29 35.81	+ 6 46.03	+ 57	+ 10	+ 11	7	22.69	11.1	
24		1	D	26.8507	11.4800	— 112	+ 2.6	+ 1.6	40 42 51.08	— 6 28.10	— 56	+ 62	— 13	8	22.99	10.3	
		2		22.2820	18.2153	+ 9	+ .8	+ .6	40 34 39.62	+ 1 42.78	+ 15	+ 20	+ 4	8	22.87		
		3		28.2880	13.9393	+ 140	+ 1.9	+ .5	40 42 25.83	— 6 2.91	— 53	+ 37	— 10	6	22.72		
		4		19.1947	22.7853	+ 31	+ .3	+ .0	40 37 54.03	— 1 30.80	— 13	+ 5	— 3	7	23.19	9.9	
		5		17.4353	25.6563	+ 112	+ .9	+ .6	40 32 54.98	+ 3 28.01	+ 30	+ 22	+ 7	7	23.65		
		6		23.3070	16.6973	0	+ .3	+ .8	40 33 35.62	+ 2 47.01	+ 24	+ 15	+ 5	6	23.13		
		7		28.9093	12.6203	+ 108	+ 3.8	+ 3.0	40 43 14.54	— 6 51.86	— 60	+ 1.00	— 12	7	23.03		

* Very unsteady.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Feb. 24	I	8	22.1140	15.8947	— 54	— .5	+ .1	40 33 45.28	+2 37.01	+ 23	— 6	+ 5	6	40 36 22.57	9.0
		9	20.1203	14.6297	—127	— .2	— .3	40 38 41.37	—2 18.41	— 20	— 7	— 4	7	22.72	9.0
		10	9.7563 ⁱⁱ	31.0520 ^{iv}	+ 3	+1.4	+ .5	40 27 23.12	+8 58.10	+ 79	+ 29	+20	9	22.59	8.6
	II	1 R	22.1157	15.6620	— 63	+2.0	+2.6	40 39 5.52	—2 42.91	— 24	+ 65	— 5	6	23.03	5.7
		2	17.3870	22.5543	— 1	+ .5	+ .4	40 38 32.91	—2 10.56	— 19	+ 13	— 3	6	22.32	
		3	18.6813	21.1650	— 2	+1.1	+ .6	40 35 19.85	+1 2.75	+ 9	+ 25	+ 2	6	23.02	4.8
		4	19.6900	21.7287	+ 12	.0	—1.0	40 37 14.86	— 51.54	— 8	— 13	— 2	7	23.16	
		5	19.8770	19.5920	— 2	+1.4	+ .2	40 36 29.51	— 7.20	— 1	+ 25	— 0	9	23.64	
		6	10.1007 ⁱⁱ	32.8920 ^{iv}	+ 37	— .8	+ .5	40 46 0.45	—9 35.97	— 84	— 6	—17	6	23.47	
		7	26.6740	15.0877	+ 90	+ .2	+ .2	40 41 16.68	—4 52.99	— 43	+ 5	— 8	6	23.29	5.6
Feb. 26	I	8	32.1777	11.2163	+ 14	+ .2	+3.4	40 27 32.61	+8 49.68	+ 77	+ 47	+17	8	23.78	
		10	27.9983 ^{iv}	11.8680 ⁱⁱ	+ 2	—3.4	—2.3	40 29 35.81	+6 47.58	+ 59	+ 84	+11	7	23.32	5.6
	II	1 D	16.1750	22.5933	— 35	— .1	+ .8	40 39 5.67	—2 42.09	— 24	+ 9	— 5	6	23.44	18.5
		2	22.2737	17.1343	— 13	+2.4	+ .9	40 38 33.04	—2 9.83	— 19	+ 50	— 3	6	23.55	
		3	21.2810	18.7693	+ 1	—1.1	—1.3	40 35 19.95	+1 3.47	+ 9	— 34	+ 2	6	23.25	19.8
		4	20.4710	18.4177	— 10	—2.7	—2.3	40 37 14.95	— 51.86	— 8	— 73	— 2	7	23.33	19.3
		5	19.1880	19.4003	0	—1.9	—2.3	40 36 29.56	— 5.36	— 1	— 60	— 0	9	23.68	
		6	32.4810 ^{iv}	9.6937 ⁱⁱ	+ 27	+ .1	— .8	40 46 0.52	—9 35.85	— 88	— 9	—17	6	23.59	18.1
	II	7	13.1353	24.7290	—106	— .5	.0	40 41 16.72	—4 52.68	— 43	— 8	— 8	6	23.51	17.8
		8	9.4977 ⁱⁱ	30.4437 ^{iv}	0	+ .1	— .2	40 27 32.63	+8 49.26	+ 81	— 1	+17	8	22.94	
Feb. 27	I	10	12.9470 ⁱⁱ	29.0973 ^{iv}	— 34	—2.7	—3.9	40 29 35.81	+6 47.99	+ 63	— 93	+11	7	23.68	17.4
		1	9.9840	25.3170	—313	+1.3	+ .1	40 42 51.07	—6 26.64	— 56	+ 22	—13	8	24.04	35.0
		2	19.5523	23.6423	+ 57	—1.8	—2.0	40 34 39.64	+1 43.61	+ 15	— 54	+ 4	8	22.98	
		3	12.4127	26.7287	— 55	—1.9	— .2	40 42 25.88	—6 1.59	— 53	— 33	—10	6	23.39	
		4	22.0933	18.5230	+ 9	+ .9	— .1	40 37 54.09	—1 30.24	— 13	+ 13	— 3	7	23.89	34.4
		5	25.1000	16.8727	+ 71	— .2	+1.3	40 32 55.07	+3 28.06	+ 30	+ 13	+ 7	7	23.70	
		6	15.7503	22.3553	— 54	+2.1	+2.3	40 33 35.74	+2 46.76	+ 24	+ 63	+ 5	6	23.48	34.2
	II	7	12.9633	29.1693	+152	—1.3	— .9	40 43 14.66	—6 49.87	— 60	— 32	—12	7	23.82	34.2
		8	16.8280	23.0747	— 4	+ .8	+ .4	40 33 45.45	+2 37.83	+ 23	+ 18	+ 5	6	23.43	33.3*
		9	17.2663	22.7080	+ 2	—2.5	— .7	40 38 41.55	—2 17.50	— 20	— 49	— 4	7	23.39	
Mar. 3	I	10	30.9857 ^{iv}	9.6273 ⁱⁱ	+ 3	—1.9	—1.7	40 27 23.30	+8 59.68	+ 83	— 53	+20	9	23.57	32.4
		1	26.1917	10.8687	—196	—1.7	— .7	40 42 51.23	—6 26.68	— 56	— 36	—13	8	23.68	41.8
		2	22.5623	18.4893	+ 18	— .9	+ .7	40 34 39.83	+1 42.96	+ 15	— 5	+ 4	8	23.01	
		3	27.3787	13.0920	+ 30	—1.0	—1.9	40 42 26.11	—6 1.07	— 53	— 40	—10	6	24.07	
		4	17.9673	21.5317	— 7	—1.7	—2.0	40 37 54.34	—1 30.05	— 13	— 53	— 3	7	23.67	42.2
		5	16.2293	24.4457	— 26	+ .2	— .4	40 32 55.34	+3 27.54	+ 30	— 2	+ 7	7	23.30	
		6	23.5043	16.8787	+ 12	—1.6	— .7	40 33 36.05	+2 47.44	+ 24	+ 35	+ 5	6	23.49	41.2
	II	7	28.2867	12.0503	+ 25	—1.6	—1.2	40 43 14.97	—6 50.32	— 60	— 41	—12	7	23.59	
		8	23.3337	17.0947	+ 12	—2.2	—1.2	40 33 45.82	+2 37.67	+ 23	— 50	+ 5	6	23.33	
		9	22.8400	17.3580	+ 4	— .0	— .5	40 38 41.93	—2 18.53	— 20	— 6	— 4	7	23.17	40.6
		10	9.3023 ⁱⁱ	30.6167 ^{iv}	— 1	—1.1	—1.6	40 27 23.65	+8 58.56	+ 83	— 38	+20	9	22.95	40.4
		1	23.4853	17.1203	+ 18	—2.7	—2.7	40 39 5.90	—2 40.87	— 24	— 77	— 5	6	24.03	33.0
		2	17.3407	22.4360	— 5	—1.0	—2.1	40 38 33.26	—2 8.73	— 19	— 43	— 3	6	23.94	31.8
		3	18.4700	20.9377	— 7	—1.9	—1.6	40 35 20.09	+1 2.34	+ 9	+ 51	+ 2	6	23.11	
Mar. 4	I	4	20.7110	22.7747	+ 31	—1.1	—1.6	40 37 15.03	— 52.22	— 8	— 38	— 2	7	22.40	
		5	20.6940	20.4500	+ 1	—2.0	—1.8	40 36 29.59	— 6.17	— 1	— 55	0	9	22.95	
		7	24.4587	12.8843	—133	— .3	— .8	40 41 16.67	—4 52.12	— 43	— 15	— 8	6	23.95	31.4
		8	31.2370 ^{iv}	10.2683 ⁱⁱ	+ 6	+ .1	+ .2	40 27 32.54	+8 49.84	+ 81	+ 4	+17	8	23.48	
		10	27.6473 ^{iv}	11.5350 ⁱⁱ	+ 14	—2.2	—2.1	40 29 35.66	+6 47.16	+ 63	— 62	+11	7	23.01	31.5
	II	1 R	13.1730	28.4967	+113	+ .2	— .5	40 42 51.28	—6 27.48	— 56	— 3	—13	8	23.16	42.6
		2	18.0963	22.1630	+ 5	—1.2	— .9	40 34 39.90	+1 42.77	+ 15	— 32	+ 4	8	22.62	
		3	12.1870	26.5373	— 79	+1.2	+ .3	40 42 26.19	—6 2.40	— 53	+ 22	—10	6	23.44	
		4	21.4913	17.8877	— 9	+1.1	— .1	40 37 54.42	—1 31.03	— 13	+ 16	— 3	7	23.46	43.1
		5	24.7823	16.5930	+ 48	.0	+ .9	40 32 55.43	+3 27.05	+ 30	+ 11	+ 7	7	23.03	42.8
		6	16.3543	22.9547	— 21	+2.3	+2.0	40 33 36.15	+2 46.72	+ 24	+ 62	+ 5	6	23.84	

* 20 s. late. Turned in azimuth ; reduction to meridian — 1.37.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
Mar. 4	I	7 R	14.1423	30.3717	+319	-2.7	+ .4	40 43 15.08	-6 50.88	- 60	- 38	-12	7	40 36 23.17	○
			17.7000	23.9150	+ 43	+ .4	+ .8	40 33 45.94	+2 37.15	+ 23	+ 17	+ 5	6	23.60	42.4
			16.3290	21.8087	- 45	- .5	- .1	40 38 42.05	-2 18.35	- 20	- 10	- 4	7	23.43	
			32.6753 ^{iv}	11.3727 ⁱⁱ	+ 23	+ .2	+1.5	40 27 23.78	+8 58.32	+ 83	+ 23	+20	9	23.45	41.4
			17.2530	23.6493	+ 26	-1.8	-1.8	40 39 5.96	-2 41.68	- 24	- 52	- 5	6	23.53	35.2
	II	1 D	22.1860	17.0473	- 17	-1.4	-1.3	40 38 33.32	-2 9.80	- 19	- 39	- 3	6	22.97	
			22.0443	19.5437	+ 16	- .9	- .8	40 35 20.14	+1 3.22	+ 9	- 25	+ 2	6	23.28	
			25.5347	23.4763	+ 81	- .4	+ .7	40 37 15.06	- 52.22	- 8	+ 2	- 2	7	22.83	
			19.6663	19.9250	- 1	+ .5	- .2	40 36 29.61	- 6.54	- 1	+ 5	0	9	23.20	
			32.0417 ^{iv}	9.2307 ⁱⁱ	+ 15	+1.0	+1.2	40 46 0.57	-9 36.42	- 88	+ 31	-17	6	23.47	
Mar. 7	I	10 D	14.4090	26.0093	+ 17	-1.3	-1.2	40 41 16.68	-4 53.15	- 43	- 36	- 8	6	22.72	
			10.3220 ⁱⁱ	31.3090 ^{iv}	+ 5	- .6	- .1	40 27 32.53	+8 50.30	+ 81	- 11	+17	8	23.78	34.4
			13.4640	29.6180 ^{iv}	- 51	-3.1	-4.2	40 29 35.64	+6 48.04	+ 63	-1.03	+11	7	23.46	34.8
			27.2583	11.9153	- 55	+ .3	-1.2	40 42 51.40	-6 27.54	- 56	- 10	-13	8	23.15	48.7
			22.8897	18.7977	+ 30	-1.1	-3.1	40 34 40.05	+1 43.47	+ 15	- 57	+ 4	8	23.22	
	3	5	27.7603	13.4370	+ 75	.0	- .3	40 42 26.35	-6 2.10	- 53	- 4	-10	6	23.64	
			17.7070	21.2863	- 16	.0	-1.4	40 37 54.62	-1 30.40	- 13	- 18	- 3	7	23.95	48.0
			15.6190	23.8547	- 20	- .6	- .3	40 32 55.66	+3 28.05	+ 30	- 13	+ 7	7	24.02	
			23.3730	16.7770	+ 4	+ .8	+ .3	40 33 36.41	+2 46.68	+ 24	+ 17	+ 5	6	23.61	
			28 5187	12.2763	+ 56	-1.7	- .9	40 43 15.36	-6 50 55	- 60	- 38	-12	7	23.78	
Mar. 8	I	8 R	23.3743	17.1300	+ 14	-2.5	-1.8	40 33 46.27	+2 37.81	+ 23	- 63	+ 5	6	23.79	47.3
			22.9567	17.4810	+ 10	-2.1	-2.3	40 38 42.40	-2 18.88	- 20	- 63	- 4	7	23.22	
			9.6600 ⁱⁱ	30.9450 ^{iv}	+ 3	+ .3	+ .2	40 27 24.12	+8 57.83	+ 83	+ 7	+20	9	23.14	46.4
			13.3980	28.7070	+140	-1.6	-1.8	40 42 51.40	-6 27.18	- 56	- 48	-13	8	23.13	44.1
			19.2647	23.3577	+ 47	-2.7	-2.5	40 34 40.06	+1 43.54	+ 15	- 75	+ 4	8	23.12	43.4
	3	5	12.0620	26.3947	- 96	- .3	-1.2	40 42 26.38	-6 1.91	- 53	- 21	-10	6	23.69	
			24.3350	16.1427	+ 18	+ .2	+ .5	40 32 55.70	+3 27.05	+ 30	+ 10	+ 7	7	23.29	43.0
			17.0317	23.6003	+ 20	- .1	+ .5	40 3 36.47	+2 46.02	+ 24	+ 5	+ 5	6	23.89	
			19.9047	26.0780	+171	- .2	.0	40 33 46.34	+2 36.39	+ 23	- 3	+ 5	6	23.04	41.7
			31.1900 ^{iv}	9.9017 ⁱⁱ	+ 5	-1.0	+ .1	40 27 24.20	+8 57.92	+ 83	- 14	+20	9	23.10	
Mar. 12	II	1 R	23.1260	16.6880	- 5	- .8	- .9	40 39 6.45	-2 42.79	- 24	- 25	- 5	6	23.18	36.7
			18.3410	23.4847	+ 41	-1.9	-2.1	40 38 33.78	-2 10.07	- 19	- 57	- 3	6	22.98	
			19.2300	21.7207	+ 10	- .2	- .6	40 35 20.54	+1 2.96	+ 9	- 10	+ 2	6	23.57	36.6
			27.3263	11.9827	- 45	+ .4	.0	40 42 51.29	-6 27.58	- 56	+ 6	-13	8	23.16	46.4
			22.1663	18.0783	+ 2	- .6	-2.2	40 34 40.00	+1 43.30	+ 15	- 38	+ 4	8	23.19	
	3	5	27.5810	13.2363	+ 53	+1.6	+1.0	40 42 26.34	-6 2.59	- 53	+ 39	-10	6	23.57	
			16.8717	20.4793	- 41	+ .5	- .4	40 37 54.65	-1 31.05	- 13	+ 3	- 3	7	23.54	45.1
			15.5393	23.7237	- 25	+1.5	+ .5	40 32 55.73	+3 26.74	+ 30	+ 31	+ 7	7	23.22	44.4
			23.3553	16.7413	+ 3	-1.5	- .9	40 33 36.53	+2 47.13	+ 24	- 35	+ 5	6	23.66	
			28.6633	12.3950	+ 75	- .6	+ .3	40 43 15.51	-6 51.25	- 60	- 5	-12	7	23.56	43.8
Mar. 13	II	6 R	23.2530	17.0620	+ 9	- .5	- .4	40 33 46.51	+2 36.45	+ 23	- 13	+ 5	6	23.17	
			23.4223	17.9027	+ 33	+ .8	.0	40 38 42.66	-2 19.55	- 20	+ 13	- 4	7	23.07	
			9.0313 ⁱⁱ	30.3100 ^{iv}	- 3	+ .6	+1.6	40 27 24.39	+8 57.65	+ 83	+ 30	+20	9	23.46	42.6
			8.8807 ⁱⁱ	31.7110 ^{iv}	+ 7	- .8	- .1	40 46 1.37	-9 36.89	- 88	- 14	-17	6	23.35	
			25.9220	14.2980	+ 10	+ .6	+ .7	40 41 17.34	-4 53.74	- 43	- 18	- 8	6	22.97	
	3	5	32.0060 ^{iv}	11.0540 ⁱⁱ	+ 12	- .3	- .8	40 27 33.07	+8 49.44	+ 81	- 15	+17	8	23.42	42.2
			22.7030	19.1597	+ 29	- .1	-1.5	40 34 53.73	+1 29.60	+ 13	- 21	+ 3	6	23.34	41.5
			27.6543	11.5673	+ 14	- .7	- .9	40 29 36.12	+6 46.52	+ 63	- 22	+11	7	23.23	
			13.0573	28.3773	+ 97	- .2	-1.2	40 42 51.25	-6 27.34	- 56	- 18	-13	8	23.12	42.7
			18.7307	22.8137	+ 26	-1.3	-1.9	40 34 39.99	+1 43.23	+ 15	- 45	+ 4	8	23.04	
Mar. 14	I	1 R	12.8477	27.1957	+ 3	+ .3	+ .3	40 42 26.34	-6 2.55	- 53	+ 10	-10	6	23.32	
			22.6177	19.0087	+ 26	+1.1	+1.2	40 37 54.66	-1 31.26	- 13	+ 33	- 3	7	23.64	42.1
			24.7870	16.6140	+ 49	- .3	+ .7	40 32 55.75	+3 26.64	+ 30	+ 4	+ 7	7	22.87	
			17.1053	23.6670	+ 23	+1.3	+1.3	40 33 36.58	+2 45.86	+ 24	+ 37	+ 5	6	23.16	
			13.2737	29.5447	+196	+ .7	+1.5	40 43 15.55	-6 51.62	- 60	+ 30	-12	7	23.58	41.2

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Mar. 14	I	8 R	17.9483	24.1393	+ 57	— .6	— .2	40 33 46.58	+2 36.58	+ 23	— 12	+ 5	6	23.38	○
		9	17.4697	22.9923	+ 10	+ .2	+ .1	40 38 42.74	— 2 19.57	— 20	+ 4	— 4	7	23.04	
		10	32.2447 ^{iv}	10.9657 ⁱⁱ	+ 18	+ .1	+ .6	40 27 24.47	+8 57.71	+ 83	+ 6	+20	9	23.36	40.6
	II	1 D	16.1143	22.5567	— 37	—1.4	—3.2	40 39 7.19	—2 42.69	— 24	+ 63	— 5	6	23.64	31.8
		2	23.1517	17.9513	+ 26	+ .7	— .2	40 38 34.50	—2 11.47	— 19	+ 8	— 3	6	22.95	
		3	20.9760	18.5267	— 6	—1.3	— .2	40 35 21.51	+1 1.87	+ 9	— 23	+ 2	6	23.32	
		4	20.2793	18.1707	— 14	+ .7	— .2	40 37 15.98	— 53.24	— 8	+ 8	— 2	7	22.79	31.8
		5	19.7080	20.0140	— 1	+1.4	+1.2	40 36 30.41	— 7.73	— 1	+ 38	— 0	9	23.14	
		6	31.2250 ^{iv}	8.3673 ⁱⁱ	— 5	+1.9	+1.1	40 46 1.44	—9 37.55	— 88	+ 44	—17	6	23.34	31.5
		7	14.8403	26.4743	+ 69	—1.0	— .9	40 41 17.40	—4 54.14	— 43	— 27	— 8	6	22.54	
		8	8.0649 ⁱⁱ	29.0070 ^{iv}	— 12	+ .6	+1.3	40 27 33.12	+8 49.13	+ 81	+ 26	+17	8	23.57	
		9	17.8033	21.3407	— 11	+ .6	+ .1	40 34 53.78	+1 29.35	+ 13	+ 11	+ 3	6	23.46	
Mar. 16	I	10	12.0830 ⁱⁱ	28.1620 ^{iv}	+ 17	+1.2	— .3	40 29 36.17	+6 46.32	+ 63	+ 15	+11	7	23.45	31.4
		3 D	28.0587	13.7120	+110	0	— .1	40 42 26.39	—6 2.78	— 53	— 2	—10	6	23.02	51.4
		4	16.9347	20.5867	— 39	+1.2	+1.8	40 37 54.73	—1 32.18	— 13	+ 42	— 3	7	22.88	50.6
		5	16.9163	24.5183	+ 48	+1.7	+1.5	40 32 55.83	+3 27.37	+ 30	+ 46	+ 7	7	24.10	
		6	23.6873	17.1217	+ 25	+ .1	+ .1	40 33 36.67	+2 45.96	+ 24	+ 3	+ 5	6	23.01	
		7	28.1800	11.8323	— 3	— .2	+4.1	40 43 15.65	—6 51.80	— 60	+ 50	—12	7	23.70	50.4c
		8	23.1417	16.9983	+ 4	+1.3	+1.1	40 33 46.71	+2 35.24	+ 23	+ 35	+ 5	6	22.64	
		9	23.1937	17.6530	+ 20	+1.2	+1.3	40 38 42.88	—2 20.05	— 20	+ 35	+ 4	7	23.01	
	II	10	8.7160 ⁱⁱ	29.9680 ^{iv}	— 8	0	+ .5	40 27 24.59	+8 56.97	+ 83	+ 7	+20	9	22.75	50.0
		1 R	24.6417	18.2297	+ 81	—5.0	—6.0	40 39 7.38	—2 42.22	— 24	—1.57	— 5	6	23.36	39.2
		2	17.4323	22.5893	0	—1.8	—1.8	40 38 34.70	—2 10.31	— 19	— 52	— 3	6	23.71	
		3	18.8627	21.2823	+ 2	+ .5	+ .6	40 35 21.36	+1 1.14	+ 9	+ 15	+ 2	6	22.82	40.
		4	19.3127	21.4197	+ 6	+ .3	+ .1	40 37 16.12	— 53.25	— 8	+ 7	— 2	7	22.91	
		5	20.6257	20.3453	+ 1	—1.7	—1.9	40 36 30.52	— 7.09	— 1	— 51	— 0	9	23.00	
		6	7.8610 ⁱⁱ	30.7110 ^{iv}	— 17	—1.3	—1.6	40 46 1.56	—9 37.32	— 92	— 41	—17	6	22.80	
		7	25.1797	13.5477	— 64	— .9	— 7	40 41 17.51	—4 53.75	— 43	— 23	— 8	6	23.08	39.6
		8	29.1447 ^{iv}	8.2067 ⁱⁱ	— 11	+ .3	0	40 27 33.19	+8 49.03	+ 85	+ 5	+17	8	23.37	
		9	23.5340	19.9957	+ 55	+ .5	+ .3	40 34 53.86	+1 29.54	+ 13	— 4	+ 3	6	23.58	
Mar. 17	I	10	28.8920 ^{iv}	12.8117 ⁱⁱ	— 30	— .5	—1.9	40 29 36.24	+6 46.23	+ 67	— 33	+12	7	23.00	38.9
		3 R	12.8450	27.1837	+ 8	— .7	+ .1	40 42 26.44	—6 2.33	— 53	— 9	—10	6	23.45	52.7
		4	23.3157	18.7087	+ 16	—1.2	— .2	40 37 54.78	—1 31.18	— 13	— 21	— 3	7	23.30	
		5	23.0040	14.7873	— 79	—1.7	— .2	40 32 55.89	+3 27.42	+ 30	— 30	+ 7	7	23.45	
		6	17.2253	23.8267	+ 31	—2.7	—2.0	40 33 36.74	+2 46.89	+ 24	— 68	+ 5	6	23.30	51.4
		7	12.1883	28.4677	+ 48	+ .3	— .9	40 43 15.72	—6 51.46	— 60	— 7	—12	7	23.54	51.4]
		8	17.0213	23.2087	+ 6	— .3	— .5	40 33 46.80	+2 36.36	+ 23	— 12	+ 5	6	23.38	
		9	17.5577	23.0807	+ 2	— .7	—1.5	40 38 42.97	—2 19.56	— 20	— 31	— 4	7	22.93	
		10	31.3827 ^{iv}	10.1000 ⁱⁱ	+ 9	—1.6	— .6	40 27 24.79	+8 57.79	+ 92	— 33	+20	9	23.46	50.2
	II	1 D	17.0610	23.5513	+ 18	— .1	+ .3	40 39 7.49	—2 44.04	— 24	+ 2	+ 5	6	23.24	40.8
Mar. 18	I	2	22.2950	17.1033	— 13	0	—1.2	40 38 34.80	—2 11.15	— 19	— 15	— 3	6	23.34	
		3	21.6007	19.1277	+ 8	—2.0	—1.1	40 35 21.47	+1 2.51	+ 9	— 46	+ 2	6	23.69	41.2d
		3 R	12.5027	26.8743	— 40	+1.3	+ .8	40 42 26.48	—6 3.03	— 53	+ 31	—10	6	23.19	58.3a
		4	22.9040	19.2667	+ 34	+1.0	0	40 37 54.83	—1 31.99	— 13	+ 16	— 3	7	22.91	
		5	23.4573	15.2570	— 46	0	0	40 32 55.95	+3 27.09	+ 30	0	+ 7	7	23.48	58.
		6	16.7113	23.2780	— 1	— .3	+1.0	40 33 36.81	+2 45.92	+ 24	+ 8	+ 5	6	23.16	
		7	11.6183	27.9270	— 33	+1.7	+1.6	40 43 15.80	—6 52.00	— 60	+ 48	—12	7	23.63	56.9
		8	17.3870	23.5400	+ 26	+2.5	+1.6	40 33 46.89	+2 35.54	+ 23	+ 60	+ 5	6	23.37	56.2
		9	17.7930	23.3277	+ 27	+ .4	+1.7	40 38 43.06	—2 19.92	— 20	+ 28	— 4	7	23.25	
		10	30.7977 ^{iv}	9.5630 ⁱⁱ	+ 1	+1.7	+2.1	40 27 24.78	+8 56.55	+ 92	+ 54	+20	9	23.08	56.6
Mar. 19	II	1 R	24.9827	18.5033	+ 98	—1.1	—1.0	40 39 7.78	—2 43.97	— 23	— 31	— 5	6	23.28	46.9
		2	17.7423	22.9773	+ 15	+2.2	+2.0	40 38 35.08	—2 12.31	— 19	+ 60	— 3	6	23.21	
		3	18.5947	21.0397	— 4	+1.7	+ .9	40 35 21.72	+1 1.77	+ 8	+ 39	+ 2	6	24.04	44.9
		4	20.8263	18.6863	— 5	— .3	+ .1	40 37 16.42	— 54.06	— 8	— 3	— 2	7	22.30	
		5	19.1287	19.4450	— 1	+1.1	+ .1	40 36 30.78	— 7.99	— 2	+ 19	0	9	23.05	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Mar. 19	II 6	R	30.7133 ^{iv}	7.8133 ⁱⁱ	-18	+1.1	-.1	40 46 1.85	-9 38.58	-92	+16	-17	6	40 36' 22.40	45.6
	7		13.6557	25.2887	-53	-1.6	-1.4	40 41 18.16	-4 53.80	-41	-44	-8	6	23.49	
	8		8.3613 ⁱⁱ	29.3097 ^{iv}	-10	-.8	-.1	40 27 33.38	+8 49.29	+84	-14	+17	8	23.62	
Apl. 6	10		11.3377 ⁱⁱ	27.3593 ^{iv}	+23	+1.3	+1	40 29 36.42	+6 44.89	+67	+22	+12	7	[22.39]	45.4d
	II 1	D	17.0257	23.6460	+21	-.1	-.7	40 39 11.30	-2 47.33	-23	-10	-5	6	23.65	35.9
Apl. 9	2		24.4007	19.0670	+82	+3.3	+7	40 38 38.60	-2 14.98	-19	+62	-3	6	[24.08]	c
	II 1		17.3743	24.0197	+40	-1.3	-1.0	40 39 11.95	-2 48.01	-23	-34	-5	6	23.38	37.
	2		23.6810	18.3187	+47	+1.3	+1.5	40 38 39.26	-2 15.61	-19	+42	-3	6	23.91	
	3		21.2437	18.9810	+3	-1.6	-1.4	40 35 24.77	+ 57.18	+8	-43	+2	6	[21.68]	36.7
	4		21.2707	18.9983	+4	-.9	-2.0	40 37 20.12	- 57.43	-8	-40	-2	7	22.26	
	5		19.8137	20.2530	0	-.4	-.9	40 36 34.23	- 11.10	-2	-18	0	9	23.02	
	6		32.2450 ^{iv}	9.2270 ⁱⁱ	+19	+1.4	+4	40 46 5.65	-9 41.66	-92	+27	-17	6	23.23	36.6
	7		14.6820	26.5080	+61	-.2	+8	40 41 21.35	-4 58.97	-41	+7	-8	6	22.02	
	8		8.6510 ⁱⁱ	29.4203 ^{iv}	-7	+2.2	+2.8	40 27 36.60	+8 44.77	+84	+71	+17	8	23.17	
	9		18.1540	21.5463	-4	-1.6	-2.0	40 34 57.39	+1 25.71	+11	-51	+3	6	22.79	
Apl. 13	10		12.7983 ⁱⁱ	28.7287 ^{iv}	-27	+1.2	+7	40 29 39.75	+6 42.45	+67	+28	+12	7	23.34	36.1
	II 1	R	23.8887	17.2000	+32	+1.0	+8	40 39 12.69	-2 49.09	-23	+26	-5	6	23.64	42.1
	2		17.8200	23.2037	+24	0	-2	40 38 40.01	-2 16.09	-19	-2	-3	6	23.74	41.9
	3		20.4647	22.6927	+30	+1.3	+6	40 35 26.51	+ 56.37	+8	+28	+2	6	23.32	40.2
	4		20.5203	22.7890	+32	-.5	-1.5	40 37 20.80	- 57.41	-8	-27	-2	7	23.09	
	5		21.2203	20.7523	+4	+5	-.2	40 36 34.88	- 11.84	-2	+6	-0	9	23.17	
	6		8.8127 ⁱⁱ	31.8287 ^{iv}	+8	-2.0	-.9	40 46 6.38	-9 41.58	-92	-43	-17	6	23.34	
	7		26.4750	14.7010	+61	-1.0	-2.0	40 41 22.06	-4 57.65	-41	-41	-8	6	23.57	40.8
	8		31.7503 ^{iv}	10.9600 ⁱⁱ	+9	-1.3	-.4	40 27 37.21	+8 45.34	+84	-26	+17	8	23.38	
	9		23.0857	19.6927	+41	-2.3	-2.0	40 34 58.07	+1 25.84	+11	-62	+3	6	23.49	
Apl. 14	10		28.3920 ^{iv}	12.4817 ⁱⁱ	-16	-.7	0	40 29 40.44	+6 41.98	+67	-11	+11	7	23.16	40.0
	II 1	D	16.2990	22.9970	-22	-.2	0	40 39 12.89	-2 49.19	-23	-8	-5	6	23.45	43.3
	2		22.6800	17.2853	-0	-1.3	-2.0	40 38 40.22	-2 16.31	-19	-46	-3	6	23.29	
	3		20.1590	17.9130	-18	-2.3	-1.9	40 35 26.72	+ 56.71	+8	-61	+2	6	22.98	43.4
	4		20.4247	18.1323	-13	-1.0	-.5	40 37 20.98	- 57.89	-8	-22	-2	7	22.84	42.8
	5		18.4033	18.8663	-6	-1.4	-.9	40 36 35.04	- 11.68	-2	-34	0	9	23.09	43.4
	6		29.8033 ^{iv}	6.8037 ⁱⁱ	-44	-.2	-2.0	40 46 6.57	-9 41.03	-92	-28	-17	6	24.23	
	7		13.4940	25.3260	-70	-1.9	-1.0	40 41 22.24	-4 58.81	-41	-43	-8	6	22.57	42.9
	8		8.1900 ⁱⁱ	28.9643 ^{iv}	-9	-1.5	-.9	40 27 37.38	+8 44.89	+84	-35	+17	8	23.01	
	9		16.9380	20.3047	-41	+1.4	+1.2	40 34 58.25	+1 24.96	+11	+38	+3	6	23.79	
Apl. 15	10		11.9267 ⁱⁱ	27.8267 ^{iv}	+5	-.6	+1	40 29 40.62	+6 41.77	+67	-8	+11	7	23.16	42.4
	II 1	R	22.7383	16.0067	-37	-.1	+1	40 39 13.13	-2 50.00	-23	-0	-5	6	22.91	46.7
	2		17.4240	22.8357	-5	-.2	-9	40 38 40.44	-2 16.73	-19	-14	-3	6	23.41	45.3
	3		18.5767	20.7847	-6	+1.6	+4	40 35 26.93	+ 55.78	+8	+30	+2	6	23.17	
	4		18.1947	20.5027	-12	-1.4	-.8	40 37 21.08	- 58.29	-8	-33	-2	7	22.43	
	5		22.2370	21.7820	+8	-2.3	-2.2	40 36 35.23	- 11.52	-2	-65	-0	9	23.13	
	6		9.0410 ⁱⁱ	32.0737 ^{iv}	+15	-.9	-.6	40 46 6.78	-9 42.02	-92	-22	-17	6	23.51	45.3*
	7		26.4163	14.6070	+52	-.6	-1.7	40 41 22.45	-4 58.52	-41	-31	-8	6	23.19	45.1
	8		32.0403 ^{iv}	11.2750 ⁱⁱ	+10	-2.0	-2.0	40 27 37.57	+8 44.71	+84	-57	+17	8	22.80	45.5
	9		22.0397	19.6700	+17	-2.3	-2.0	40 34 58.44	+1 25.19	+11	-62	+3	6	23.21	
Apl. 16	10		27.1493 ^{iv}	11.2710 ⁱⁱ	+28	+1.1	+1.0	40 29 40.82	+6 41.28	+54	+30	+11	7	23.12	44.6
	II 1	D	17.3667	24.1070	+43	+2.1	+2.0	40 39 13.37	-2 50.42	-23	+59	-5	6	23.32	51.3
Apl. 22	3		21.0187	18.7927	-3	-1.7	-1.6	40 35 27.17	+ 56.24	+8	-47	+2	6	23.10	
	II 1	D	16.1913	22.9783	-25	+4	-.4	40 39 14.91	-2 51.43	-23	+1	-5	6	23.27	48.5
	2		22.0627	16.5613	-35	+1.4	+6	40 38 42.27	-2 18.92	-19	+30	-3	6	23.49	
	3		21.3607	19.2300	+6	+6	+3	40 35 28.75	+ 53.85	+8	+13	+2	6	22.89	48.2
	4		21.0953	18.7180	-3	-.3	-.4	40 37 22.89	-1 0.06	-8	-10	-2	7	22.70	47.8
	5		19.1037	19.6577	-2	+2	+1	40 36 36.88	- 13.99	-2	+4	0	9	23.00	
	6		32.5337 ^{iv}	9.4347 ⁱⁱ	+26	+1	-.1	40 46 8.60	-9 43.72	-79	-0	-17	6	23.98	
	7		14.0163	25.9127	-3	-.9	-.7	40 41 24.24	-5 0.59	-41	-24	-8	6	22.98	47.8

* Light poor. †

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
Apl. 22	II 8	D	7.8953 ⁱⁱ	28.6263 ^{iv}	-10	-.9	-.8	40 27 39.18	+8 43.80	+ 84	- 25	+17	8	40 36 23.82	○
	9		17.6487	20.9367	-21	-.3	-1.2	40 35 0.18	+1 23.03	+ 11	- 20	+ 3	6	23.21	
Apl. 24	II 1	R	12.1780 ⁱⁱ	28.0073 ^{iv}	-4	-.8	-.6	40 29 42.58	+6 39.96	+ 67	- 20	+12	7	23.20	47.4
	2		22.3197	15.4890	-66	+.9	+.2	40 39 15.34	-2 52.43	- 23	+ 17	- 5	6	22.86	48.0
			18.6303	24.1213	+66	-1.8	-1.7	40 38 42.72	-2 18.91	- 19	- 51	- 3	6	23.14	
	3		18.8923	21.0030	+ 1	+1.2	+1.4	40 35 29.22	+ 53.33	+ 8	+ 37	+ 2	6	23.08	47.6
	4		19.5477	21.9553	+14	+.7	+1.2	40 37.23.32	-1 0.87	- 8	+ 26	- 2	7	22.68	
	5		20.4947	19.9217	+ 2	+.3	+.3	40 36 37.29	- 14.48	- 2	+ 9	- 0	9	22.97	
	6		8.9780 ⁱⁱ	32.1273 ^{iv}	+16	+.6	+.2	40 46 9.07	-9 44.97	- 92	- 07	-17	6	23.00	
	7		27.7393	15.8523	+180	-.2	-.6	40 41 24.70	-5 0.81	- 41	- 11	- 8	6	23.35	46.9
	8		30.9647 ^{iv}	10.2933 ⁱⁱ	+ 3	-1.5	.0	40 27 39.64	+8 42.32	+ 84	- 24	+17	8	22.81	
	9		22.9960	19.7480	+38	-.8	+.7	40 35 0.65	+1 22.17	+ 11	- 4	+ 3	6	22.98	
Apl. 25	II 10		26.6910 ^{iv}	10.8980 ⁱⁱ	+45	-.3	-.0	40 29 43.05	+6 39.16	+ 67	- 5	+11	7	23.01	47.3
	1	D	17.6377	24.4247	+62	-1.1	-.5	40 39 15.55	-2 51.65	- 23	- 24	- 5	6	23.44	51.4
	2		22.7720	17.2567	+ 1	+.3	.0	40 38 42.98	-2 19.36	- 19	+ 5	- 3	6	23.51	
	3		20.6180	18.5010	- 8	-1.8	-1.2	40 35 29.44	+ 53.47	+ 8	- 44	+ 2	6	22.63	51.0
	4		21.3527	18.9620	+ 4	-1.5	-2.2	40 37 23.51	-1 0.42	- 8	- 52	- 2	7	22.54	
	5		19.9047	20.4987	+ 2	-.7	-.3	40 36 37.48	- 15.01	- 2	- 15	- 0	9	22.39	
	6		32.0287 ^{iv}	8.8947 ⁱⁱ	+12	+.6	-.7	40 46 9.28	-9 44.57	- 92	- 0	-17	6	23.68	49.6
	7		13.8960	25.8657	-12	+1.6	+.4	40 41 24.93	-5 2.42	- 41	+ 31	- 8	6	22.39	50.1
	8		8.1167 ⁱⁱ	28.8037 ^{iv}	- 8	+.8	-.2	40 27 39.83	+8 42.69	+ 84	+ 10	+17	8	23.71	
	9		19.3397	22.5777	+27	+2.2	+1.1	40 35 0.86	+1 21.88	+ 11	+ 49	+ 3	6	23.43	
Apl. 26	II 10		12.5787 ⁱⁱ	28.3727 ^{iv}	-18	+1.2	-.5	40 29 43.28	+6 39.03	+ 67	+ 12	+11	7	23.28	49.6
	1	R	23.1627	16.3257	-16	+2.7	+2.2	40 39 15.75	-2 52.71	- 23	+ 71	- 5	6	23.53	56.3
	2		17.0677	22.6257	- 5	+.9	+1.9	40 38 43.14	-2 20.42	- 19	+ 39	- 3	6	22.95	
	3		18.3563	20.4947	-10	-1.7	-.9	40 35 29.65	+ 54.01	+ 8	- 37	+ 2	6	23.45	56.2
	4		19.3673	21.7727	+11	-.7	+.2	40 37 23.71	-1 0.81	- 8	- 8	- 2	7	22.79	55.9
	5		20.2477	19.6683	0	.0	.0	40 36 37.67	- 14.64	- 2	- 2	- 0	9	23.08	
	6		9.0603 ⁱⁱ	32.2232 ^{iv}	+18	-.4	+.1	40 46 9.49	-9 45.29	- 92	- 5	-17	6	23.12	
	7		26.5730	14.6500	+63	-.1	-.7	40 41 25.13	-5 1.42	- 41	- 11	- 8	6	23.17	55.0
	8		31.3597 ^{iv}	10.6767 ⁱⁱ	+ 6	-.5	.0	40 27 40.02	+8 42.62	+ 84	- 8	+17	8	23.65	
	9		21.8613	18.5927	+ 6	-2.8	-1.4	40 35 1.06	+1 22.60	+ 11	- 63	+ 3	6	23.23	
Apl. 30	II 10		28.2007 ^{iv}	12.4113 ⁱⁱ	-12	-.5	-.5	40 29 43.48	+6 38.93	+ 67	- 15	+11	7	23.11	54.9
	1	D	16.6610	23.5033	+ 5	+.1	-.7	40 39 16.68	-2 52.90	- 23	- 7	- 5	6	23.49	55.6
	2		21.4757	15.9133	-64	-1.1	-.2	40 38 44.00	-2 20.39	- 19	+ 20	- 3	6	23.65	
	3		20.3073	18.2343	-13	-1.4	-1.0	40 35 30.61	+ 52.35	+ 8	- 36	+ 2	6	22.76	55.4
	4		19.2743	16.8100	-42	+.5	-.2	40 37 24.60	-1 2.16	- 8	+ 5	- 2	7	22.46	
	5		20.4890	21.0930	+ 3	-2.0	-.4	40 36 38.52	- 15.27	- 2	- 37	- 0	9	22.95	55.4
	6		32.2800 ^{iv}	9.1050 ⁱⁱ	+19	+.8	-.6	40 46 10.45	-9 45.62	- 96	+ 5	-17	6	23.81	55.2
	7		15.3400	27.3027	+137	-1.3	-.0	40 41 26.08	-5 2.61	- 41	- 20	- 9	6	22.83	54.4
	8		10.5163 ⁱⁱ	31.1687 ^{iv}	+ 4	-2.2	-0.6	40 27 40.87	+8 41.85	+ 88	- 43	+17	8	23.42	
	9		19.3413	22.5773	+27	-.8	-1.7	40 35 1.98	+1 21.83	+ 11	- 33	+ 3	6	23.68	
May 8	II 10		13.4317 ⁱⁱ	29.1860 ^{iv}	-40	.0	-.6	40 29 45.42	+6 37.97	+ 71	- 7	+12	7	[24.22]	54.8*
	1	R	23.3170	16.3957	- 9	-.6	-.3	40 39 18.67	-2 54.86	- 22	- 14	- 5	6	23.46	63.6
	2		17.1610	22.8323	- 0	+.4	+.5	40 38 46.13	-2 23.30	- 18	+ 13	- 4	6	22.80	
	3		18.2903	20.2837	-12	-.3	-.7	40 35 32.70	+ 50.34	+ 6	- 12	+ 2	6	23.06	62.3
	4		19.5590	22.0697	+17	-1.9	-1.0	40 37 26.58	-1 3.48	- 8	- 44	- 2	7	22.63	
	5		22.6500	21.9620	+15	-.7	-.9	40 36 40.45	- 17.42	- 3	- 22	- 1	9	22.86	60.6
	6		8.4567 ⁱⁱ	31.7183 ^{iv}	+ 3	-.3	-1.5	40 46 12.61	-9 47.77	- 91	- 24	-17	6	23.58	
	7		26.8697	14.8150	+88	-1.3	-1.7	40 41 28.27	-5 4.82	- 38	- 42	- 9	6	22.62	
	8		30.9470 ^{iv}	10.3823 ⁱⁱ	+ 2	-1.5	-.6	40 27 42.89	+8 39.63	+ 81	- 31	+17	8	23.27	59.2
	9		22.4277	19.2827	+23	-1.2	-1.8	40 35 4.16	+1 19.52	+ 9	- 41	+ 3	6	23.45	59.6
	10		27.4007 ^{iv}	11.7337 ⁱⁱ	+17	-2.1	-2.0	40 29 46.66	+6 35.91	+ 66	- 57	+12	7	22.85	59.3
III 1	R		30.1853	14.5117	+319	+.3	+1.1	40 43 0.39	-6 36.84	- 49	+ 19	-14	10	23.21	59.4
2			9.5300 ⁱⁱ	33.7297 ^{iv}	+59	-.6	-.5	40 46 36.22	-10 11.62	- 93	- 16	-23	11	23.39	

* Mistake in micrometer reading.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
May 8	III 3	R	7.4240 ⁱⁱ	32.8270 ^{iv}	+ 5	+3.4	+1.6	40 25 39.75	+10 41.89	+ 96	+ 74	+18	6	23.58	59.8
			8.2260 ⁱⁱ	33.4407 ^{iv}	+ 39	— .3	— .8	40 25 45.23	+10 37.21	+ 95	— 15	+19	6	23.49	
			26.9493	15.1167	+107	+ .3	+ .2	40 31 22.94	+ 4 59.25	+ 37	+ 7	+10	7	22.80	
			19.0100	22.3030	+ 20	—2.3	— .9	40 37 46.62	— 1 23.26	— 11	— 48	— 3	6	22.80	
			21.0007	19.7547	+ 3	+ .2	—1.1	40 36 54.43	— 31.49	— 4	— 11	— 1	6	22.84	
May 9	II 1	D	17.2300	24.2283	+ 45	+ .6	—1.1	40 33 26.19	+ 2 56.94	+ 21	— 4	+ 5	6	23.41	60.0
			14.0110	27.4010	+ 83	—2.4	— .5	40 42 2.44	— 5 38.54	— 43	— 45	—10	6	22.98	
			16.0677	23.0190	— 28	—1.1	— .8	40 39 18.86	— 2 55.57	— 22	— 27	— 5	6	22.81	
			21.8637	16.2227	— 48	— .6	—1.4	40 38 46.33	— 2 22.41	— 18	— 27	— 4	6	23.49	
			21.3430	19.3777	+ 6	—1.0	— .3	40 35 32.91	+ 49.67	+ 6	— 20	+ 2	6	22.52	
			21.2407	18.6897	— 1	— .7	+ .4	40 37 26.77	— 1 4.46	— 8	— 6	— 2	7	22.22	
			19.0277	19.7443	— 3	— .3	— .1	40 36 40.64	— 18.10	— 3	— 7	— 1	9	22.52	
			31.0970 ^{iv}	7.7687 ⁱⁱ	— 17	+ .1	+ .7	40 46 12.83	— 9 49.41	— 91	+ 10	—17	6	22.50	
			12.8997	24.9987	—111	.0	+ .9	40 41 23.49	— 5 5.43	— 38	+ 12	— 9	6	22.77	
			8.5193 ⁱⁱ	29.0700 ^{iv}	— 6	+ .1	— .2	40 27 43.10	+ 8 39.25	+ 81	— 1	+17	8	23.40	
May 10	III 2	D	16.9943	20.1293	— 39	— .2	—1.9	40 35 4.38	+ 1 19.12	+ 9	— 27	+ 3	6	23.41	58.8a
			11.9263 ⁱⁱ	27.6190 ^{iv}	+ 10	—4.3	—4.8	40 29 46.89	+ 6 36.54	+ 66	—1.29	+12	7	22.99	58.8
			31.8513 ^{iv}	7.6093 ⁱⁱ	— 11	+1.8	+ .2	40 46 36.42	—10 12.51	— 93	+ 31	—23	11	23.17	55.8
			34.0837 ^{iv}	8.6847 ⁱⁱ	+ 64	—1.3	— .2	40 25 39.98	+10 41.93	+ 96	— 23	+18	6	22.88	55.2
			32.3840 ^{iv}	7.1673 ⁱⁱ	— 9	— .9	—1.2	40 25 45.45	+10 37.14	+ 95	— 30	+19	6	23.49	
			12.4697	24.3417	—165	— .3	—2.6	40 31 23.15	+ 4 59.56	+ 37	— 38	+10	7	22.87	
			21.7573	18.4613	+ 3	—1.0	—2.9	40 37 46.83	— 1 23.29	— 11	— 52	— 3	6	22.94	
			18.8593	20.1053	— 6	—1.5	— .2	40 36 54.64	— 31.47	— 4	— 27	+ 1	6	22.91	
			23.9620	16.9920	— 30	— .0	+ .2	40 33 26.40	+ 2 56.19	+ 21	+ 2	+ 5	6	22.93	
			25.8147	12.4163	—104	—1.0	—2.1	40 42 2.64	— 5 38.28	— 43	— 42	—10	6	23.47	
May 12	II 1	R	23.6210	16.6440	+ 8	—1.4	—1.2	40 39 19.05	— 2 56.31	— 22	+ 37	— 5	6	22.90	55.2
			17.3460	23.0210	+ 8	— .1	+ .1	40 38 46.53	— 2 23.41	— 18	0	— 4	6	22.96	60.9
			18.9637	20.9280	— 1	+ .7	+ .2	40 35 33.12	+ 49.63	+ 6	+ 13	+ 2	6	23.02	
			20.3460	22.8757	+ 35	— .9	— .2	40 37 26.97	— 1 4.01	— 8	— 14	— 2	7	22.79	
			20.8237	20.0850	+ 3	+1.6	.0	40 36 40.82	— 18.67	— 3	+ 25	— 1	9	22.45	
			25.4527	13.3513	— 73	+2.9	+1.6	40 41 28.72	— 5 5.59	— 38	+ 66	— 9	6	23.38	
			31.1447 ^{iv}	10.5677 ^h	+ 4	—1.7	— .6	40 27 43.30	+ 8 39.94	+ 81	— 34	+17	8	23.96	
			22.1440	19.0487	+ 16	— .4	+ .6	40 35 4.61	+ 1 18.25	+ 9	+ 1	+ 3	6	23.05	
			28.0230 ^{iv}	12.4063 ⁱⁱ	— 9	+ .8	+ .3	40 29 47.12	+ 6 34.57	+ 66	— 8	+12	7	22.46	
			27.7770	12.0727	— 8	—2.4	.0	40 43 0.79	— 6 36.79	— 49	— 38	—14	10	23.09	
May 12	III 1	D	8.8860 ⁱⁱ	33.0887 ^{iv}	+ 37	—1.9	—1.5	40 46 36.61	—10 11.64	— 93	— 49	—23	11	23.43	52.1d
			8.3597 ⁱⁱ	33.7587 ^{iv}	+ 51	+1.2	— .3	40 25 40.20	+10 41.90	+ 96	+ 15	+18	6	23.45	d
			16.2333	23.2220	— 16	+ .5	+ .2	40 39 19.46	— 2 56.55	— 22	+ 10	— 5	6	22.80	60.9
			23.0143	17.3070	— 7	+ .9	+2.1	40 38 46.97	— 2 24.19	— 18	+ 41	— 4	6	23.03	
			20.3680	18.4444	— 9	+1.4	+1.7	40 35 33.57	+ 48.58	+ 6	+ 44	+ 2	6	22.73	
			21.5167	18.9430	+ 6	— 4	.0	40 37 27.88	— 1 5.05	— 8	— 7	— 2	7	22.23	
			19.3997	20.1383	— 1	+ .1	— .1	40 36 41.23	— 18.66	— 3	— 0	— 1	9	22.62	
			31.5363 ^{iv}	8.2363 ⁱⁱ	— 3	— 4	—1.0	40 46 13.50	— 9 48.73	— 91	— 19	—17	6	23.56	
			14.3627	26.4617	+ 39	— .2	+ .5	40 41 29.18	— 5 5.81	— 38	+ 4	— 9	6	23.00	
			8.2097 ⁱⁱ	28.7350 ^{iv}	— 7	+ .2	—1.0	40 27 43.29	+ 8 38.61	+ 81	+ 16	+17	8	23.12	
May 12	III 1	D	17.2607	20.3470	— 32	— .2	— .3	40 35 5.07	+ 1 17.90	+ 9	— 7	+ 3	6	23.08	58.6
			11.6847 ⁱⁱ	27.2763 ^{iv}	+ 20	+1.0	+ .3	40 29 47.60	+ 6 34.01	+ 66	+ 20	+12	7	22.66	
			11.5583	27.2940	— 80	— .8	— .6	40 43 1.18	— 6 37.40	— 49	— 20	—14	10	23.05	
			29.5320 ^{iv}	5.2850 ⁱⁱ	—100	— .6	— .2	40 46 36.98	—10 12.42	— 93	— 11	—23	11	23.40	
			32.4390 ^{iv}	7.0373 ⁱⁱ	— 11	—3.1	—2.3	40 25 40.58	+10 41.81	+ 96	— 78	+18	6	22.81	
			31.6543 ^{iv}	6.4683 ⁱⁱ	— 42	—1.9	— .8	40 25 46.08	+10 36.28	+ 95	— 40	+19	6	23.16	
			12.6827	24.5213	—143	— .8	— .0	40 31 23.73	+ 4 58.77	+ 37	— 12	+10	7	22.92	
			22.1813	18.8423	+ 15	+1.6	+ .2	40 37 47.43	— 1 24.41	— 11	+ 28	— 3	6	23.22	
			19.6490	20.9423	+ 3	— .5	+ .1	40 36 55.22	— 32.69	— 4	— 7	— 1	6	22.47	
			23.9517	17.0007	+ 30	— .9	— .8	40 33 26.97	+ 2 55.71	+ 21	— 24	+ 5	6	22.76	56.4

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
May 12	III 9	D	25.6963	12.2587	-120	+1.1	+ .2	$\begin{smallmatrix} \circ & \delta & \delta' \\ 40 & 42 & 3.18 \end{smallmatrix}$	- 5 39.23	- 43	+ 20	-10	6	$\begin{smallmatrix} \circ & \delta & \delta' \\ 40 & 36 & 23.68 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 56.8 \end{smallmatrix}$
May 13	II 1	R	22.0733	15.0517	- 88	+1.4	+2.5	40 39 19.71	- 2 57.20	- 22	+ 54	- 5	6	22.84	62.6
	2		16.2707	21.9787	- 45	+ .8	+2.6	40 38 47.21	- 2 24.11	- 18	+ 46	- 4	6	23.40	
	3		19.9447	21.8603	+ 15	+2.7	+1.6	40 35 33.81	+ 48.44	+ 6	+ 63	+ 2	6	23.02	62.6
	4		19.9503	22.5793	+ 30	+ .8	+2.0	40 37 27.61	- 1 6.50	- 8	+ 37	- 2	7	[21.45]	62.5d
May 26	5		21.7293	20.9953	+ 9	- .6	- .5	40 36 41.45	- 18.57	- 3	- 16	- 1	9	22.77	62.4a
	II 1	R	23.0963	16.0077	- 28	- .7	- .6	40 39 22.61	- 2 59.04	- 22	- 18	- 5	6	23.18	60.2
	2		17.0517	22.8563	+ 2	- .8	-1.1	40 38 50.23	- 2 26.67	- 18	- 26	- 4	6	23.14	
	3		19.3373	21.1433	+ 3	+ .4	- .2	40 35 36.97	+ 45.64	+ 6	+ 4	+ 2	6	22.79	59.0
	4		19.7093	22.3930	+ 25	- .2	- .2	40 37 30.59	- 1 7.87	- 8	- 5	- 2	7	22.64	
	5		19.4557	18.6127	- 7	- .1	- .8	40 36 44.39	- 21.28	- 3	- 6	- 1	9	23.10	
	6		8.7630 ⁱⁱ	32.2570 ^{iv}	+ 16	+2.9	+3.1	40 46 17.10	- 9 53.68	- 91	+ 85	-17	6	23.25	
	7		26.8707	14.6253	+ 79	- .1	- .8	40 41 32.87	- 5 9.61	- 38	- 6	- 9	6	22.79	57.6
	8		29.9290 ^{iv}	9.5380 ⁱⁱ	+ 2	- .7	- .3	40 27 47.12	+ 8 35.24	+ 81	- 15	+17	8	23.27	
	9		22.4120	19.4543	+ 24	-2.2	- .5	40 35 8.79	+ 1 14.79	+ 9	- 41	+ 3	6	23.35	57.6
	10		28.5067 ^{iv}	13.0313 ⁱⁱ	- 30	-1.1	-2.5	40 29 51.45	+ 6 30.95	+ 66	- 49	+12	7	22.76	56.8
	III 1	R	30.0363	14.1933	+292	- .3	- .3	40 43 4.68	- 6 41.10	- 49	- 9	-14	10	22.96	55.1
	2		9.2137 ⁱⁱ	33.5783 ^{iv}	+ 54	- .3	- .8	40 46 40.36	-10 15.77	- 93	- 15	-23	11	23.39	
	3		8.9077 ⁱⁱ	34.0973 ^{iv}	+ 69	+2.7	+1.8	40 25 44.48	+10 36.66	+ 96	+ 65	+18	6	22.99	
	4		8.3470 ⁱⁱ	33.3603 ^{iv}	+ 37	- .4	+1.2	40 25 49.85	+10 32.12	+ 95	+ 9	+19	6	23.26	55.7
	5		23.9537	12.2640	-193	- .4	- .1	40 31 27.26	+ 4 54.88	+ 37	- 8	+10	7	22.60	
	6		16.6870	20.1787	- 48	-1.0	- .6	40 37 51.06	- 1 28.11	- 11	- 23	- 3	6	22.64	55.1
	7		21.0780	19.6387	+ 4	+1.2	+ .3	40 36 58.77	- 36.88	- 4	+ 23	- 1	6	22.63	
	8		17.1490	23.9230	+ 32	+ .2	+ .3	40 33 30.49	+ 2 51.24	+ 21	+ 7	+ 5	6	22.12	
	9		13.5987	27.1550	+ 44	-1.4	- .4	40 42 6.57	- 5 42.65	- 43	- 27	-10	6	23.18	54.8
May 27	II 1	D	16.9637	23.9600	+ 29	- .6	- .4	40 39 22.84	- 2 59.38	- 22	- 15	- 5	6	23.10	63.6
	2		21.9660	16.1270	- 49	+ .3	+ .2	40 38 50.47	- 2 27.41	- 18	+ 7	- 4	6	22.97	
	3		21.6173	19.8260	- 11	+ .8	+ .4	40 35 37.22	+ 45.29	+ 6	+ 17	+ 2	6	22.82	
	4		20.7663	18.0570	- 13	- .2	- .4	40 37 30.82	- 1 8.42	- 8	- 8	- 2	7	22.29	62.4
	5		18.7890	19.6513	- .6	-1.0	-1.5	40 36 44.61	- 21.77	- 3	- 35	- 1	9	22.54	
	6		31.7940 ^{iv}	8.3233 ⁱⁱ	+ 1	+ .1	- .2	40 46 17.35	- 9 53.05	- 91	- 1	-17	6	23.27	61.9
	9		17.5290	20.4600	- 24	+ .8	+ .4	40 35 9.05	+ 1 14.00	+ 9	+ 17	+ 3	6	23.40	62.0
	10		12.4897 ⁱⁱ	27.9343 ^{iv}	- 9	+ .5	- .0	40 29 51.72	+ 6 30.23	+ 66	+ 8	+12	7	22.88	62.0
	III 1	D	9.5366	25.4360	-347	- .7	-1.8	40 43 4.92	- 6 40.86	- 49	- 34	-14	10	23.19	57.3
	2		31.8560 ^{iv}	7.4890 ⁱⁱ	- 11	-1.4	-1.8	40 46 40.59	-10 15.67	- 93	- 46	-23	11	23.41	
	3		33.4213 ^{iv}	8.2193 ⁱⁱ	+ 38	-1.8	- .7	40 25 44.75	+10 36.89	+ 96	- 37	+18	6	22.47	
	4		31.2313 ^{iv}	6.1647 ⁱⁱ	- 58	-2.0	-2.4	40 25 50.11	+10 33.23	+ 95	- 62	+19	6	23.92	
	5		13.6460	25.3343	- 52	- .3	- .7	40 31 27.41	+ 4 55.20	+ 37	- 14	+10	7	23.01	58.4
	6		21.6763	18.2003	- 1	- .6	-1.0	40 37 51.31	- 1 27.83	- 11	- 22	- 3	6	23.18	
	7		19.8600	21.3267	+ 7	+1.5	+1.8	40 36 59.03	- 37.08	- 4	+ 46	- 1	6	22.42	58.4d
	8		22.9880	16.1913	- 25	- .3	-1.0	40 33 30.75	+ 2 51.67	+ 21	- 17	+ 5	6	22.57	
June 3	9		26.3630	12.7950	- 49	+ .1	- .7	40 42 6.80	- 5 42.71	- 43	- 7	-10	6	23.55	58.4
	II 1	R	23.0497	15.8577	- 25	+ .8	+2.3	40 39 24.36	- 3 1.66	- 22	+ 41	- 5	6	22.90	65.1
	2		16.6540	22.5647	- 21	+1.5	+ .2	40 38 52.07	- 2 29.30	- 18	+ 27	- 4	6	22.88	
	3		18.7577	20.4890	- 5	- .1	- .0	40 35 38.92	+ 43.73	+ 6	- 1	+ 2	6	22.78	65.8
	4		18.8330	21.6150	+ 6	+ .4	+1.0	40 37 32.44	- 1 10.31	- 8	+ 19	- 2	7	22.29	65.4
	5		21.0650	20.1250	+ 4	- .7	+ .2	40 36 46.23	- 23.76	- 3	- 9	- 1	9	22.43	
	6		8.6027 ⁱⁱ	32.1667 ^{iv}	+ 12	+1.2	+1.3	40 46 19.20	- 9 55.44	-1.05	+ 36	-17	6	22.96	
June 4	7		26.2473	13.9017	+ 8	+ .5	-1.1	40 41 35.06	- 5 11.96	- 38	- 6	- 9	6	22.63	64.6
	II 1	D	17.2473	24.4070	+ 52	-1.5	-2.0	40 39 24.52	- 3 1.04	- 22	- 49	- 5	6	22.78	63.2
	2		22.9463	17.0513	- 0	-1.3	-2.0	40 38 52.24	- 2 28.95	- 18	- 45	- 4	6	22.68	
	3		20.9063	19.1917	+ 1	- .9	- .8	40 35 39.11	+ 43.33	+ 6	- 24	+ 2	6	22.34	62.8
	4		21.5270	18.7570	+ 4	- .3	+ .4	40 37 32.62	- 1 10.00	- 8	- 0	- 2	7	22.59	
	5		17.9797	18.9100	+ 12	-1.0	-1.5	40 36 46.41	- 23.54	- 3	- 35	- 1	9	22.57	
	6		31.4743 ^{iv}	7.9037 ⁱⁱ	- 9	- .1	-1.2	40 46 19.41	- 9 55.55	-1.05	- 17	-17	6	22.53	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
June 15	II 1 R	1	23.1823	15.9227	— 28	+1.3	+1.5	40 39 26.42	— 3 3.36	— 21	+ 39	— 5	6	23.25	70.3
		2	15.6340	21.6307	— 71	+ .3	+ .2	40 38 54.26	— 2 31.34	— 17	+ 8	— 4	6	22.85	69.5
		3	19.3667	21.0097	+ 1	— .6	.0	40 35 41.30	+ 41.52	+ 5	— 9	+ 2	6	22.86	
		4	19.5533	22.4333	+ 24	+ .4	+1.1	40 37 34.70	— 1 12.83	— 8	+ 20	— 2	7	22.04	
		5	22.3440	21.3347	+ 17	— .4	— .7	40 36 48.50	— 25.55	— 3	— 15	— 1	9	22.85	
		6	8.7223 ⁱⁱ	32.3683 ^{iv}	+ 13	— .3	— .1	40 46 21.83	— 9 57.51	— 99	— 6	—17	6	23.16	68.6
		7	25.4000	12.9547	— 88	— .7	— .6	40 41 37.85	— 5 14.24	— 36	— 18	— 9	6	23.04	67.1
		8	31.5880 ^{iv}	11.3690 ⁱⁱ	+ 3	+ .6	— .1	40 27 51.75	+ 8 30.89	+ 89	+ 8	+17	8	23.86	
		9	22.8817	20.1473	+ 35	+ .4	— .1	40 35 13.91	+ 1 9.18	+ 8	+ 5	+ 3	6	23.31	
		10	27.1400 ^{iv}	11.8713 ⁱⁱ	+ 21	—1.5	—1.4	40 29 56.80	+ 6 25.86	+ 75	— 42	+12	7	23.18	
June 17	III 1 R	1	30.1150	14.0707	+292	—1.3	— .9	40 43 10.06	— 6 46.14	— 46	— 32	—14	10	23.10	65.6
		2	7.5430 ⁱⁱ	32.1317 ^{iv}	— 7	+ .5	— .2	40 46 45.67	—10 21.28	—1.02	+ 5	—23	11	23.30	66.1
		3	8.7020 ⁱⁱ	33.6783 ^{iv}	+ 52	.0	— .9	40 25 50.63	+10 31.22	+1.02	— 11	+18	6	23.00	65.2
		4	7.9033 ⁱⁱ	32.7320 ^{iv}	+ 14	—2.8	—2.4	40 25 55.89	+10 27.40	+1.02	— 74	+19	6	23.82	
		5	26.2777	14.8374	+ 56	—1.2	+2.0	40 31 33.06	+ 4 49.21	+ 32	— 44	+10	7	22.32	
		6	19.1923	22.9113	+ 34	— .6	+1.2	40 37 57.12	— 1 34.06	— 11	+ 6	— 3	6	23.04	
		7	21.3033	19.6357	+ 7	+1.6	+ .5	40 37 4.79	— 42.15	— 5	+ 32	— 1	6	22.96	65.9
		8	16.9993	23.5610	+ 17	— .5	+ .1	40 33 36.50	+ 2 45.84	+ 19	— 6	+ 5	6	22.58	
		9	13.8800	27.6900	+ 95	—1.4	—1.0	40 42 12.44	— 5 49.19	— 40	— 35	—10	6	22.46	
		10	16.5460	23.8037	+ 1	—1.3	—1.4	40 39 26.71	— 3 3.39	— 21	— 38	— 5	6	22.74	
June 18	II 1 D	1	23.2100	17.2190	+ 10	— .4	— .6	40 38 54.58	— 2 31.40	— 17	— 14	— 4	6	22.89	78.2
		2	20.8590	19.2243	+ 1	—1.2	— .3	40 35 41.65	+ 41.31	+ 5	— 22	+ 2	6	22.87	
		3	21.7213	18.8603	+ 8	—1.0	—1.2	40 37 35.05	— 1 12.31	— 8	— 30	— 2	7	22.41	
		4	18.7587	19.7873	— 6	—1.5	—1.4	40 36 48.85	— 25.98	— 3	— 41	— 1	9	22.51	
		5	32.7213 ^{iv}	9.0660 ⁱⁱ	+ 29	— .8	—1.2	40 46 22.25	— 9 57.79	— 99	— 28	—17	6	23.08	77.8
		6	11.8930	24.4187	—201	+1.7	+2.1	40 41 38.30	— 5 15.99	— 36	+ 54	— 9	6	22.46	76.1
		7	9.3653 ⁱⁱ	29.5370 ^{iv}	— 1	— .4	— .7	40 27 52.17	+ 8 29.69	+ 89	— 15	+17	8	22.85	
		8	13.2697 ⁱⁱ	28.5057 ^{iv}	— 37	+ .8	+ .7	40 29 57.31	+ 6 24.88	+ 75	+ 22	+12	7	23.35	
		9	10.9837	27.0980	—135	— .7	— .2	40 43 10.63	— 6 46.83	— 46	— 13	—14	10	23.17	
		10	31.9013 ^{iv}	6.9553 ⁱⁱ	— 24	— .6	—1.3	40 25 51.30	+10 30.26	+1.02	— 26	+18	6	22.56	74.0
June 20	III 1 D	1	30.5727 ^{iv}	5.7870 ⁱⁱ	— 76	+ .6	— .1	40 25 56.55	+10 26.08	+1.02	+ 8	+19	6	23.98	73.1d
		2	13.6513	25.0707	— 64	+1.2	+ .1	40 31 33.70	+ 4 48.38	+ 32	+ 20	+10	7	22.77	
		3	22.0593	18.3087	+ 5	+ .9	— .2	40 37 57.79	— 1 34.78	— 11	+ 12	— 3	6	23.05	
		4	18.4053	20.0577	— 12	— .3	—1.3	40 37 5.47	— 41.72	— 5	— 21	— 1	6	[23.54]	
		5	23.3087	16.7643	+ 1	+ .3	— .8	40 33 37.19	+ 2 45.36	+ 19	— 5	+ 5	6	22.80	74.3
		6	24.0470	10.1900	—347	— .4	— .7	40 42 13.12	— 5 49.26	— 40	— 15	—10	6	23.27	
		7	23.1620	15.8973	— 30	— .6	.0	40 39 26.82	— 3 3.49	— 21	— 9	— 5	6	23.04	
		8	16.4190	22.4373	— 31	+ .2	— .1	40 38 54.71	— 2 31.99	— 17	+ 2	— 4	6	22.59	
		9	18.4570	20.0760	— 11	+1.4	+ .8	40 35 41.80	+ 40.88	+ 5	+ 32	+ 1	6	23.12	73.4
		10	24.4103	17.1450	+ 50	+ .8	— .6	40 39 27.04	— 3 3.70	— 21	— 2	— 5	6	23.12	
June 21	II 1 R	1	19.2960	25.2747	+119	+ .7	+ .1	40 38 54.95	— 2 31.37	— 17	+ 12	— 4	6	23.55	71.2
		2	19.5790	21.2213	+ 5	—2.3	—3.1	40 35 42.08	+ 41.51	+ 5	— 76	+ 1	6	22.95	
		3	20.4147	23.3003	+ 46	— .8	+ .1	40 37 35.05	— 1 13.03	— 8	— 11	— 2	7	22.28	
		4	21.2477	20.2097	+ 6	— .4	—1.9	40 36 49.24	— 26.24	— 3	— 30	— 1	9	22.75	
		5	8.1757	31.8583	— 0	—1.2	—2.0	40 46 22.75	— 9 58.40	— 99	— 44	—17	6	22.81	67.8
		6	26.3447	13.8623	+ 11	.0	— .4	40 41 38.85	— 5 15.43	— 36	— 5	— 9	6	22.98	
		7	27.2823 ^{iv}	12.0553 ⁱⁱ	+ 15	—2.1	—2.2	40 29 57.93	+ 6 24.79	+ 75	— 61	+12	7	23.05	
		8	30.3157	14.2320	+318	—2.4	—1.3	40 43 11.35	— 6 47.20	— 46	— 55	—14	10	23.10	
		9	9.6170 ⁱⁱ	34.2397 ^{iv}	+ 78	+ .5	— .2	40 46 46.98	—10 22.35	—1.02	+ 5	—23	11	23.54	67.8
		10	9.0700 ⁱⁱ	33.9690 ^{iv}	+ 65	+1.3	— .2	40 25 52.17	+10 29.31	+1.02	+ 18	+18	6	22.92	
June 22	III 1 R	1	7.6717 ⁱⁱ	32.4107 ^{iv}	+ 1	—2.4	—2.5	40 25 57.42	+10 25.10	+1.02	— 70	+19	6	23.09	67.8
		2	18.0483	21.8493	— 1	— .3	+ .5	40 37 58.70	— 1 36.04	— 11	+ 1	— 3	7	22.60	
		3	21.4290	19.7017	+ 8	+ .4	— .1	40 37 6.40	— 43.66	— 5	+ 5	— 1	6	22.79	
		4	18.1717	24.6617	+ 81	+ .3	— .3	40 33 38.11	+ 2 44.19	+ 19	+ 1	+ 5	6	22.61	
		5	14.7577	28.6123	+203	—1.6	.0	40 42 14.04	— 5 50.59	— 40	— 25	—10	6	22.76	67.8
		6	23.1823	15.9227	— 28	+1.3	+1.5	40 39 26.42	— 3 3.36	— 21	+ 39	— 5	6	23.25	
		7	15.6340	21.6307	— 71	+ .3	+ .2	40 38 54.26	— 2 31.34	— 17	+ 8	— 4	6	22.85	
		8	19.3667	21.0097	+ 1	— .6	.0	40 35 41.30	+ 41.52	+ 5	— 9	+ 2	6	22.86	
		9	19.5533	22.4333	+ 24	+ .4	+1.1	40 37 34.70	— 1 12.83	— 8	+ 20	— 2	7	22.04	69.5
		10	22.3440	21.3347	+ 17	— .4	— .7	40 36 48.50	— 25.55	— 3	— 15	— 1	9	22.85	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
June 22	II 1	D	14.9940	22.3150	-85	+ .2	+1.4	40 39 27.28	- 3 4.77	- 21	+ 20	- 5	6	40 36 22.51	78.0
	2		22.5197	16.5040	-26	- .1	+ .1	40 38 55.25	- 2 31.94	- 17	0	- 4	6	23.16	
	3		19.7767	18.1690	-14	- .5	- .1	40 35 42.36	+ 40.59	+ 5	- 9	+ 1	6	22.98	
	4		21.0363	18.1510	-11	- .6	-1.0	40 37 35.72	- 1 12.88	- 8	- 22	- 2	7	22.59	77.8
	5		17.8397	18.9060	-16	-2.9	- .5	40 36 49.51	- 26.90	- 3	- 53	- 1	9	22.13	
	6		31.8130 ^{iv}	8.1360 ⁱⁱ	- 1	-2.1	-2.4	40 46 23.08	- 9 58.26	- 99	- 63	-18	6	23.08	
	7		12.6720	25.1740	-118	-2.1	-1.6	40 41 39.20	- 5 15.60	- 36	- 53	- 9	6	22.68	75.6
	8		9.0497 ⁱⁱ	29.2160 ^{iv}	- 1	-1.3	-1.8	40 27 53.14	+ 8 29.55	+ 89	- 43	+17	8	23.40	
	10		11.5823 ⁱⁱ	26.7550 ^{iv}	+ 35	0	- .8	40 29 58.33	+ 6 23 47	+ 75	- 10	+12	7	22.64	74.9
	III 1	D	12.4693	28.6063	+ 82	-1.7	-1.8	40 43 11.79	- 6 47.95	- 46	- 50	-14	10	22.84	73.9
	2		30.4007 ^{iv}	5.7160 ⁱⁱ	- 79	+ .8	- .2	40 46 47.42	-10 23.52	-1.02	+ 9	-23	11	22.85	
	3		34.3783 ^{iv}	9.5040 ⁱⁱ	+ 82	- .0	+ .2	40 25 52.71	+10 28.72	+1.02	+ 2	+18	6	22.71	74.7
	4		31.9827 ^{iv}	7.2657 ⁱⁱ	- 16	-1.0	-1.0	40 25 57.95	+10 24.50	+1.02	- 28	+19	6	23.44	73.9
	6		21.8460	18.0397	- 1	+1.1	+ .2	40 37 59.25	- 1 36.17	- 11	+ 19	- 3	6	23.19	
	8		23.1097	16.6077	- 9	-1.7	- .8	40 33 38.67	+ 2 44.27	+ 19	- 37	+ 5	6	22.87	
June 27	II 9		25.3720	11.4643	-194	- .4	- .9	40 42 14.59	- 5 50.92	- 40	- 18	-10	6	23.05	73.7
	2	R	16.3307	22.3807	- 35	- .9	-1.7	40 38 56.01	- 2 32.78	- 17	- 36	- 4	6	22.72	76.8
	3		19.7153	21.2843	+ 6	- .9	- .7	40 35 43.26	+ 39.66	+ 5	- 23	+ 1	6	22.81	
	4		19.4240	22.3367	+ 22	-1.0	- .7	40 37 36.57	- 1 13.65	- 8	- 25	- 2	7	22.64	
	5		21.8700	20.7650	+ 12	- .6	0	40 36 50.40	- 27.95	- 3	- 9	- 1	9	22.41	
	6		8.2440 ⁱⁱ	31.9690 ^{iv}	+ 2	-1.2	-1.2	40 46 24.09	- 9 59.48	- 99	- 34	-18	6	23.16	76.4
	7		26.9333	14.3777	+ 68	+2.0	+ .9	40 41 40.29	- 5 17.42	- 36	+ 43	- 9	6	22.91	76.0
	8		31.8457 ^{iv}	11.2497 ⁱⁱ	+ 1	+1.5	+ .4	40 27 54.04	+ 8 27.78	+ 89	+ 29	+17	8	23.25	
June 28	II 10		27.6953 ^{iv}	12.5883 ⁱⁱ	+ 4	+1.0	+1.8	40 29 59.54	+ 6 21.73	+ 75	+ 53	+12	7	22.74	75.9
	2	D	23.3057	17.2330	+ 13	+1.2	+2.6	40 38 56.16	- 2 33.48	- 17	+ 54	- 4	6	23.07	74.9
	3		18.4433	16.8877	- 31	+1.0	+1.2	40 35 43.42	+ 39.23	+ 5	+ 31	+ 1	6	23.08	
	4		22.3613	19.4280	+ 23	+ .6	+ .1	40 37 36.74	- 1 14.18	- 8	- 11	- 2	7	22.64	73.9
	5		20.4690	21.5780	+ 10	+1.3	+ .7	40 36 50.56	- 28.05	- 3	+ 29	- 1	9	22.85	
	6		31.9140 ^{iv}	8.1670 ⁱⁱ	+ 1	- .2	- .2	40 46 24.29	-10 0.03	- 99	- 6	-18	6	23.09	
	7		14.2953	26.8427	+ 62	-1.7	0	40 41 40.51	- 5 17.20	- 36	- 27	- 9	6	22.65	73.9
	8		9.7523 ⁱⁱ	29.8680 ^{iv}	- 1	- .4	- .9	40 27 54.24	+ 8 28.27	+ 89	- 18	+17	8	23.47	
	10		11.8537 ⁱⁱ	26.9753 ^{iv}	+ 25	- .0	- .1	40 29 59.78	+ 6 22.15	+ 44	+ 2	+12	7	22.58	73.1
	III 1	R	30.3643	14.1830	+320	-1.2	- .5	40 43 13.38	- 6 49.67	- 46	- 25	-14	10	22.96	70.9
	2		6.8860 ⁱⁱ	31.6173 ^{iv}	- 30	- .4	-1.2	40 46 49.21	-10 24.82	-1.02	- 21	-23	11	23.04	
	3		8.3807 ⁱⁱ	33.1867 ^{iv}	+ 33	+2.2	+ .3	40 25 54.58	+10 26.87	+1.02	+ 38	+18	6	23.09	
	4		8.7643 ⁱⁱ	33.3983 ^{iv}	+ 44	-1.1	-2.2	40 25 59.78	+10 22.55	+1.02	- 45	+19	6	23.15	
	5		26.9250	15.6307	+127	-1.2	-1.4	40 31 36.85	+ 4 45.70	+ 32	- 36	+10	7	22.68	70.6
	6		18.5373	22.4010	+ 16	-1.6	-1.7	40 38 1.15	- 1 37.67	- 11	- 47	- 3	6	22.93	
	7		22.6827	20.8793	+ 28	- .5	-2.3	40 37 8.83	- 45.64	- 5	- 37	- 1	6	22.82	
	8		17.7727	24.1827	+ 53	-1.4	- .4	40 33 40.59	+ 2 42.10	+ 19	- 27	+ 5	6	22.72	
July 3	II 9		13.3890	27.3453	+ 43	-1.7	- .5	40 42 16.48	- 5 52.75	- 40	- 33	-10	6	22.96	
	3	R	18.3350	19.8400	- 10	+ .7	+1.0	40 35 43.99	+ 38.00	+ 5	+ 23	+ 2	6	22.35	79.7
	4		19.3737	22.3373	+ 22	- .1	- .1	40 37 37.28	- 1 14.94	- 8	- 3	- 2	7	22.28	
	5		22.3053	21.1810	+ 18	- .6	- .1	40 36 51.14	- 28.45	- 3	- 11	- 0	9	22.64	
	6		8.1597 ⁱⁱ	31.9397 ^{iv}	+ 1	- .6	- .1	40 46 25.01	-10 0.87	- 99	- 8	-18	6	22.95	79.3
	7		27.6223	15.0533	+147	- .1	- .1	40 41 41.33	- 5 17.96	- 36	- 3	- 9	6	22.95	
	8		31.0273 ^{iv}	10.9607 ⁱⁱ	+ 1	- .4	- .2	40 27 54.88	+ 8 27.04	+ 89	- 9	+17	8	22.97	78.4
	10		29.5677 ^{iv}	14.4700 ⁱⁱ	- 87	+ .2	0	40 30 0.76	+ 6 21.26	+ 75	+ 3	+12	7	22.99	
	III 1	D	9.6403	25.9490	-313	+ .1	0	40 43 14.64	- 6 51.29	- 46	+ 1	-14	10	22.86	75.8
	2		28.0960 ^{iv}	3.2840 ⁱⁱ	-180	+ .7	+1.0	40 46 50.31	-10 26.48	-1.02	+ 24	-23	11	22.93	
	3		32.5057 ^{iv}	7.7547 ⁱⁱ	+ 6	-1.4	- .8	40 25 56.12	+10 25.41	+1.02	- 32	+18	6	22.47	
	4		30.7387 ^{iv}	6.1347 ⁱⁱ	- 62	- .5	- .5	40 26 1.34	+10 21.53	+1.02	- 14	+19	6	24.00	
	5		12.4033	23.6473	-194	+1.2	+1.0	40 31 38.36	+ 4 43.62	+ 32	+ 31	+10	7	22.78	74.7
	7		17.7903	19.6993	- 18	- .4	+ .2	40 37 10.50	- 48.19	- 5	- 4	- 1	6	22.27	
	8		22.9477	16.5910	- 13	- .6	- .8	40 33 42.29	+ 2 40.59	+ 19	- 20	+ 5	6	22.98	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
July 3 5	III 9 II 3 4 5 6	D	24.1933	10.1353	-346	-.4	-.5	40 42 18.17	- 5 54.34	- 40	- 13	-10	6	40 36 23.26	74.4
			21.2487	19.7213	+ 4	-.3	+.1	40 35 44.15	+ 38.60	+ 5	- 4	+ 1	6	22.83	69.4
			19.8970	16.9320	- 41	-.9	-.5	40 37 37.44	- 1 14.81	- 8	- 21	- 2	7	22.39	
			18.8150	19.9427	- 7	-.9	-.9	40 36 51.31	- 28.48	- 3	- 26	0	9	22.63	
			32.2340 ^{iv}	8.4437 ⁱⁱ	+ 11	-.9	.0	40 46 25.23	-10 1.15	- 99	- 14	-18	6	22.83	68.9
			14.9567	27.5530	+138	-.4	-.3	40 41 41.58	- 5 18.63	- 36	- 10	- 9	6	22.46	68.1
	7 8 10 III 1	R	9.7807 ⁱⁱ	29.8447 ^{iv}	0	-.1	.0	40 27 55.25	+ 8 26.97	+ 89	- 1	+17	8	23.35	
			12.3277 ⁱⁱ	27.3910 ^{iv}	+ 6	+.6	.0	40 30 1.07	+ 6 20.63	+ 75	+ 10	+12	7	22.74	68.5
			29.7010	13.4353	+222	-.9	-.5	40 43 15.04	- 6 51.56	- 46	- 21	-14	10	22.77	66.6d
			6.9693 ⁱⁱ	31.7533 ^{iv}	- 27	-1.0	-.7	40 46 50.72	-10 26.16	-1.02	- 25	-23	11	23.17	
July 9	3 4 III 1 2 3	D	9.3133 ⁱⁱ	34.0423 ^{iv}	+ 69	+1.9	+.1	40 25 56.62	+10 25.02	+1.02	+ 32	+18	6	23.22	
			7.5640 ⁱⁱ	32.1083 ^{iv}	- 7	-2.1	-2.0	40 26 1.84	+10 20.16	+1.02	- 58	+19	6	22.69	66.8
			10.9800	27.3130	-122	-.6	-.5	40 43 15.93	- 6 32.40	- 48	- 16	-14	10	22.85	59.1
			32.3247 ^{iv}	7.4885 ⁱⁱ	- 2	+.3	+.7	40 46 51.62	-10 27.55	-1.06	+ 4	-24	11	22.92	
			32.4363 ^{iv}	7.6983 ⁱⁱ	+ 3	-3.4	-3.7	40 25 57.71	+10 25.08	+1.05	-1.00	+18	6	23.08	
			33.0963 ^{iv}	8.5557 ⁱⁱ	+ 32	-3.1	-1.9	40 26 2.92	+10 20.16	+1.05	- 74	+19	6	23.64	
	4 5 6 7 8		15.4683	26.6553	+104	-.0	-1.7	40 31 39.95	+ 4 42.93	+ 32	- 22	+10	7	23.15	
			23.5057	19.5090	+ 53	.0	-1.3	40 38 4.48	- 1 41.12	- 12	- 16	- 3	6	23.11	
			20.2543	22.1863	+ 20	-1.5	-1.5	40 37 12.21	- 48.87	- 6	- 43	- 2	6	22.89	58.5
			24.9110	18.6340	+ 96	-.7	-1.0	40 33 44.04	+ 2 38.85	+ 18	- 24	+ 4	6	22.93	
July 10	9 IV 1 2 3 4	D	27.5773	13.5037	+ 67	-1.0	-1.1	40 42 19.91	- 5 55.78	- 41	- 30	-10	6	23.38	57.6
			21.9233	20.6823	+ 13	+1.3	-.2	40 36 54.14	- 31.39	- 4	+ 18	- 1	13	23.01	55.8
			20.3993	21.0507	+ 3	-2.0	-.9	40 36 39.82	- 16.47	- 2	- 43	0	10	23.00	
			12.7890	29.6640	+180	-.6	-1.5	40 29 15.54	+ 7 6.85	+ 49	- 28	+13	7	22.80	56.8
			23.2873	18.5613	+ 39	-.9	-.4	40 38 22.34	- 1 59.51	- 14	- 20	- 4	10	22.55	
			13.1973 ⁱⁱ	30.6350 ^{iv}	- 42	-.8	-.5	40 29 1.91	+ 7 20.50	+ 84	- 20	+13	6	23.24	
	5 6 7 8 9		30.9527 ^{iv}	11.0743 ⁱⁱ	0	-2.0	-1.6	40 28 0.37	+ 8 22.28	+ 91	- 52	+14	5	23.23	
			13.5607 ⁱⁱ	29.0287 ^{iv}	- 52	-.1	-.4	40 29 50.99	+ 6 30.71	+ 79	- 6	+11	5	22.59	
			28.6567	13.1360	+123	-.5	-1.1	40 42 56.47	- 6 32.48	- 45	- 22	-12	7	23.27	
			18.3313	21.2607	- 6	-2.3	-2.8	40 37 37.09	- 1 14.00	- 9	- 72	- 2	12	22.38	
July 11 12	10 11 12 III 1 2	R	16.2430	24.8887	+ 43	-.3	.0	40 40 2.09	- 3 38.56	- 25	- 5	- 6	6	23.23	55.2
			5.7830 ⁱⁱ	33.9913 ^{iv}	- 9	-1.2	-.7	40 24 29.53	+11 52.74	+1.15	- 28	+20	7	23.41	55.6
			25.6060	14.1027	- 14	-.7	+.3	40 41 13.45	- 4 50.63	- 33	- 8	- 9	7	22.39	
			29.8683	13.5290	+241	+1.1	+2.0	40 43 16.18	- 6 53.46	- 48	+ 42	-14	10	22.62	68.2
			8.5570 ⁱⁱ	33.3937 ^{iv}	+ 41	+.8	+.7	40 46 51.88	-10 27.67	-1.06	+ 22	-24	11	23.24	66.9
			8.0050 ⁱⁱ	32.6490 ^{iv}	+ 14	+2.4	+2.3	40 25 53.02	+10 22.73	+1.05	+ 67	+18	6	22.71	
	3 4 5 III 1 12	D	8.7317 ⁱⁱ	33.2090 ^{iv}	+ 37	+.4	+.5	40 26 3.23	+10 18.58	+1.05	+ 13	+19	6	23.24	
			25.9337	14.7900	+ 35	-1.2	-.6	40 31 40.25	+ 4 41.66	+ 32	- 26	+10	7	22.14	65.4
			12.8370	29.1720	+143	+.8	+2.3	40 43 16.44	- 6 53.11	- 48	+ 42	-14	10	23.23	73.9
			29.0620	12.6997	+125	+1.0	+1.8	40 43 16.71	- 6 53 75	- 48	+ 39	-14	10	22.83	79.0
July 11 12	2 3 4 5 6		9.2537 ⁱⁱ	34.1163 ^{iv}	+ 72	+1.3	+1.6	40 46 52.42	-10 28.40	-1.24	+ 40	-24	11	23.05	
			8.0523 ⁱⁱ	32.6987 ^{iv}	+ 16	+.3	+2.0	40 25 58.66	+10 22.80	+1.23	+ 30	+18	6	23.23	78.3
			9.5440 ⁱⁱ	33.9783 ^{iv}	+ 67	+.7	+.8	40 26 3.88	+10 17.57	+1.23	+ 21	+19	6	23.12	
			26.5570	15.4530	+ 97	+1.3	+.2	40 31 40.88	+ 4 40.82	+ 32	+ 23	+10	7	22.42	78.4
			17.2810	21.3700	- 24	+1.6	+1.4	40 38 5.47	- 1 43.26	- 12	+ 43	- 3	6	22.55	
			21.0500	19.0327	+ 1	+1.6	+.2	40 37 13.22	- 50.97	- 6	+ 28	- 2	6	22.51	
	7 8 9 IV 1	R	15.9853	22.2247	- 49	+.6	-.1	40 33 45.06	+ 2 37.53	+ 18	+ 8	+ 4	6	22.95	78.4
			13.2100	27.3607	+ 34	-1.0	-.1	40 42 20.93	- 5 57.64	- 41	- 17	-10	6	22.67	
			20.6610	21.9337	+ 13	-.3	-.6	40 36 54.99	- 32.19	- 4	- 12	- 1	13	22.76	77.6
			21.9957	21.2967	+ 9	+.2	.0	40 36 40.70	- 17.68	- 2	+ 3	0	10	23.13	
July 11 12	3 4 5 6 7		28.2560	11.4143	- 25	-.7	-.2	40 29 16.46	+ 7 5.49	+ 49	- 13	+13	7	22.51	76.8
			17.1003	21.8880	- 21	-.1	+1.1	40 38 23.19	- 2 0.92	- 14	+ 12	- 4	10	22.31	76.8
			29.3623 ^{iv}	11.9830 ⁱⁱ	- 14	-.4	.0	40 29 2.78	+ 7 19.10	+1.02	- 6	+13	6	23.03	
			9.8267 ⁱⁱ	29.6500 ^{iv}	+ 1	+1.4	+.9	40 28 1.27	+ 8 20.89	+1.09	+ 34	+14	5	23.78	
			26.5987 ^{iv}	11.1683 ⁱⁱ	+ 45	-1.7	-2.3	40 29 51.87	+ 6 30.00	+ 97	- 56	+11	5	22.44	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
July 12	IV 8	R	11.7987	27.3700	- 57	- .6	.0	40 42 57.30	- 6 33.31	- 45	- 9	-12	7	40 36' 23.40	75.6
			22.4447	19.4967	+ 25	+ .1	-.2	40 37 37.82	- 1 14.55	- 9	- 1	- 2	12	23.27	
			24.5270	15.8483	+ 16	+ .6	.0	40 40 2.87	- 3 39.33	- 25	+ 9	- 6	6	23.38	
			33.5513 ^{iv}	5.4093 ⁱⁱ	- 37	- .6	-.9	40 24 30.28	+11 50.99	+1.33	- 21	+20	7	22.66	
			13.6367	25.1350	- 62	- .0	-1.1	40 41 14.17	- 4 50.38	- 33	- 14	- 9	7	23.30	75.4
July 13	III 1	D	13.9443	30.2810	+290	+ .9	+2.1	40 43 16.96	- 6 53.52	- 48	+ 41	-14	10	23.33	81.9
			30.7720 ^{iv}	5.8833 ⁱⁱ	- 72	+ .7	+1.6	40 46 52.69	-10 28.70	-1.24	+ 31	-24	11	22.93	81.5
			34.207 ^{iv}	9.5773 ⁱⁱ	+ 76	+1.3	+2.0	40 25 58.97	+10 22.01	+1.23	+ 45	+18	6	22.90	
			31.1690 ^{iv}	6.7063 ⁱⁱ	- 42	+1.4	.0	40 26 4.17	+10 18.01	+1.23	+ 23	+19	6	23.89	81.2
			15.1510	26.2557	+ 68	+1.0	+ .7	40 31 41.20	+ 4 40.76	+ 32	+ 25	+10	7	22.70	80.6
			22.3433	18.2537	+ 10	+2.0	+1.5	40 38 5.81	- 1 43.36	- 12	+ 51	- 3	6	22.87	79.6
			18.6077	20.6130	- 7	- .7	-.2	40 37 13.56	- 50.65	- 6	- 13	- 2	6	22.76	
			22.2180	16.0040	- 48	-1.1	-2.5	40 33 45.41	+ 2 36.89	+ 18	- 49	+ 4	6	22.09	
			25.9910	11.8240	-136	.0	-.1	40 42 21.28	- 5 57.62	- 41	- 1	-10	6	23.20	77.7
			20.6493	19.3720	+ 1	+ .7	-.7	40 36 55.29	- 32.28	- 4	+ 2	- 1	13	23.11	74.3
	IV 1	D	18.2353	18.9683	- 9	-1.1	.0	40 36 41.01	- 18.50	- 2	- 17	0	10	22.42	
			11.3597	28.2093	- 32	+ .3	-1.0	40 29 16.79	+ 7 5.67	+ 49	- 7	+13	7	23.08	74.4
			20.7393	15.9650	- 69	- .8	-1.2	40 38 23.50	- 2 0.46	- 14	- 28	- 4	10	22.68	
			10.7817 ⁱⁱ	28.1347 ^{iv}	+ 12	- .1	-.4	40 29 3.16	+ 7 18.50	+1.02	- 6	+13	6	22.81	
			29.3783 ^{iv}	9.5817 ⁱⁱ	+ 1	.0	+ .2	40 28 1.60	+ 8 20.21	+1.09	+ 2	+14	5	23.11	
			10.6077 ⁱⁱ	26.0217 ^{iv}	+ 67	- .6	-.5	40 29 52.19	+ 6 29.64	+ 97	- 16	+11	5	22.80	
			26.4860	10.8930	-180	- .3	-2.3	40 42 57.61	- 6 33.54	- 45	- 34	-12	7	23.23	72.6
			17.4717	20.4447	- 27	- .0	.0	40 37 38.08	- 1 15.05	- 9	0	- 2	12	23.04	72.8
			16.2730	24.9560	+ 45	-1.2	-.4	40 40 3.16	- 3 39.51	- 25	- 24	- 6	6	23.16	
			4.7273 ⁱⁱ	32.8770 ^{iv}	- 84	+1.0	+ .6	40 24 30.54	+11 51.06	+1.33	+ 23	+20	7	23.43	
July 17	III 1	R	24.2647	12.7177	-153	+ .1	+1.1	40 41 14.42	- 4 51.38	- 33	+ 15	- 9	7	22.84	71.9
			27.7167	11.3427	- 68	-2.4	-1.3	40 43 17.81	- 6 53.56	- 48	- 55	-14	10	23.18	75.4
			10.1883 ⁱⁱ	34.9863 ^{iv}	+108	+ .6	+ .6	40 46 53.58	-10 29.39	- 95	+ 17	-24	11	23.28	
			6.8560 ⁱⁱ	31.4447 ^{iv}	- 34	+1.8	+1.8	40 26 0.06	+10 21.21	+ 94	+ 51	+18	6	22.96	75.1
			6.7910 ⁱⁱ	31.2030 ^{iv}	- 38	+ .6	.0	40 26 5.26	+10 16.74	+ 94	+ 10	+19	6	23.29	
			26.0203	14.9500	+ 47	- .5	-.5	40 31 42.29	+ 4 39.84	+ 32	- 11	+10	7	22.48	
			16.7203	20.8430	- 44	- .7	.0	40 38 7.00	- 1 44.6	- 12	- 11	- 3	6	22.74	74.5
			19.3943	17.3293	- 30	+1.1	.0	40 37 14.78	- 52.10	- 6	+ 18	- 2	6	22.84	
			16.4527	22.6280	- 26	+ .6	+ .9	40 33 46.66	+ 2 35.97	+ 18	+ 21	+ 4	6	23.12	
			12.8570	27.0730	- 5	- .9	+ .2	40 42 22.53	- 5 59.19	- 41	- 12	-10	6	22.79	74.3
	IV 1	R	19.6857	21.0093	+ 3	- .8	-.4	40 36 56.46	- 33.45	- 4	- 18	- 1	13	22.91	69.6
			22.1360	21.3803	+ 11	+1.0	+1.4	40 36 42.21	- 19.12	- 2	- 33	0	10	22.84	
			28.2407 ^{iv}	10.9177 ⁱⁱ	+ 10	- .9	.0	40 29 4.47	+ 7 17.74	+ 73	- 14	+13	6	22.99	
			8.6123 ⁱⁱ	28.3640 ^{iv}	+ 4	.0	-.5	40 28 2.89	+ 8 19.09	+ 80	- 6	+14	5	22.91	<i>d</i>
			11.8107	28.2277	+ 3	-1.7	-.7	40 43 19.15	- 6 54.83	- 48	- 36	-14	10	23.44	70.0
			30.7277 ^{iv}	5.8230 ⁱⁱ	- 75	+1.6	+ .4	40 46 54.97	-10 29.09	- 95	+ 30	-24	11	[25.10]	*
			32.1230 ^{iv}	7.5753 ⁱⁱ	+ 4	-1.8	-.4	40 26 1.78	+10 20.27	+ 94	- 34	+18	6	22.89	70.0
			30.9720 ^{iv}	6.6027 ⁱⁱ	- 49	- .6	-1.2	40 26 6.97	+10 15.63	+ 94	- 24	+19	6	23.55	
			13.2130	24.2530	-121	+ .8	-.4	40 31 44.00	+ 4 38.65	+ 32	+ 8	+10	7	23.22	69.4
			23.8653	19.6937	+ 65	+ .1	- 8	40 38 8.87	- 1 45.57	- 12	- 8	- 3	6	23.13	
July 24	IV 1	D	18.2437	20.3580	- 13	-1.8	-1.9	40 37 16.70	- 53.39	- 6	- 53	- 2	6	22.76	
			22.3500	16.2493	- 37	- .4	-.5	40 33 48.62	+ 2 34.13	+ 18	- 13	+ 4	6	22.90	
			17.5530	13.3797	+ 52	+ .5	- 3	40 42 24.52	- 6 0.78	- 41	+ 4	-10	6	23.33	69.4 <i>d</i>
			20.4553	19.0700	- 2	+ .2	.0	40 36 58.21	- 35.00	- 4	+ 3	- 1	13	23.32	69.0
			19.4613	20.2727	- 1	-2.0	-2.9	40 36 44.04	- 20.50	- 2	- 69	- 0	10	22.93	
			11.1803	27.8907	- 67	+ .5	-1.4	40 29 20.06	+ 7 2.06	+ 49	- 10	+13	7	22.71	
			23.2290	18.3397	+ 33	-1.2	-.2	40 38 26.55	- 2 3.62	- 14	- 21	- 4	10	22.64	68.9
			12.6303 ⁱⁱ	30.8740 ^{iv}	- 27	+ .4	+ .2	40 29 6.48	+ 7 15.64	+ 73	+ 9	+13	6	23.18	
			27.4970 ^{iv}	12.1737 ⁱⁱ	+ 7	-2.8	-2.4	40 29 55.44	+ 6 27.20	+ 68	- 74	+11	5	22.74	
			11.0683	26.7820	-147	+ .2	+ .7	40 43 0.72	- 6 36.68	- 45	+ 12	-12	7	23.66	
	III 1	D	30.7277 ^{iv}	5.8230 ⁱⁱ	- 75	+1.6	+ .4	40 46 54.97	-10 29.09	- 95	+ 30	-24	11	[25.10]	*
			32.1230 ^{iv}	7.5753 ⁱⁱ	+ 4	-1.8	-.4	40 26 1.78	+10 20.27	+ 94	- 34	+18	6	22.89	70.0
			30.9720 ^{iv}	6.6027 ⁱⁱ	- 49	- .6	-1.2	40 26 6.97	+10 15.63	+ 94	- 24	+19	6	23.55	
			13.2130	24.2530	-121	+ .8	-.4	40 31 44.00	+ 4 38.65	+ 32	+ 8	+10	7	23.22	69.4
			23.8653	19.6937	+ 65	+ .1	- 8	40 38 8.87	- 1 45.57	- 12	- 8	- 3	6	23.13	

* Instrument probably disturbed.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.		Thermom.
						A	B		Micrometer.	δ	l	r	Mer			
July 24	IV 9	D	22.3747	19.3193	+ 22	— .4	— .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 40.81 \end{smallmatrix}$	— 1 17.26	— 9	— 18	— 2	12	$\begin{smallmatrix} \circ & ' & '' \\ 40 & 36 & 23.38 \end{smallmatrix}$	68.4	
	10		23.9843	15.1797	— 32	+1.4	+ .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 40 & 6.18 \end{smallmatrix}$	— 3 42.39	— 25	+ 24	— 6	6	23.78		
	11		34.6077 ^{iv}	6.5943 ⁱⁱ	+ 42	— .2	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 24 & 33.44 \end{smallmatrix}$	+11 47.94	+1.04	— 3	+20	7	22.66		
July 25	12		13.5547	25.1597	— 75	— .8	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 17.21 \end{smallmatrix}$	— 4 53.04	— 33	— 23	— 9	7	23.59	68.5	
	III 1	R	26.8570	10.3860	—199	+ .7	+ .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 19.38 \end{smallmatrix}$	— 6 55.68	— 48	+ 13	—14	10	23.31	78.0	
	2		8.5287 ⁱⁱ	33.4850 ^{iv}	+ 43	+1.6	+1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 55.22 \end{smallmatrix}$	—10 30.69	— 95	+ 40	—24	11	23.85	77.7	
	3		8.6337 ⁱⁱ	33.1263 ^{iv}	+ 35	+2.3	+1.6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 26 & 2.06 \end{smallmatrix}$	+10 18.96	+ 94	+ 56	+18	6	22.76	77.8	
	4		6.7493 ⁱⁱ	31.1077 ^{iv}	— 42	—1.4	—2.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 26 & 7.26 \end{smallmatrix}$	+10 15.37	+ 94	— 47	+19	6	23.35		
	5		26.2387	15.2370	+ 71	+ .4	+ .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 31 & 44.29 \end{smallmatrix}$	+ 4 38.17	+ 32	+ 15	+10	7	23.10	77.4	
	6		17.3733	21.5553	— 20	—1.5	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 9.18 \end{smallmatrix}$	— 1 45.62	— 12	— 29	— 3	6	23.18		
	7		20.9457	18.8147	— 3	+1.6	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 17.01 \end{smallmatrix}$	— 53.84	— 6	+ 30	— 2	6	23.45		
	8		17.1653	23.2457	+ 11	— .8	—1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 48.96 \end{smallmatrix}$	+ 2 33.66	+ 18	— 23	+ 4	6	22.62		
	9		14.3300	28.6027	+184	—1.0	—1.4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 24.85 \end{smallmatrix}$	— 6 0.60	— 41	— 33	—10	6	23.47	75.3	
	IV 1	R	19.9830	21.3907	+ 9	+ .4	+ .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 58.50 \end{smallmatrix}$	— 35.59	— 4	+ 14	— 1	13	23.13	72.1a	
	2		21.7800	20.9513	+ 10	—2.2	—1.4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 44.34 \end{smallmatrix}$	— 20.96	— 2	— 52	0	10	22.94		
	3		29.5227	12.8573	+174	—1.0	—1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 20.38 \end{smallmatrix}$	+ 7 1.53	+ 49	— 31	+13	7	22.29		
	4		19.4510	24.3350	+ 81	—1.5	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 26.85 \end{smallmatrix}$	— 2 3.61	— 14	— 34	— 4	10	22.82		
	5		23.4383 ^{iv}	11.2143 ⁱⁱ	+ 3	— .7	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 6.81 \end{smallmatrix}$	+ 7 15.22	+ 73	— 16	+13	6	22.79	72.4	
	6		9.9673 ⁱⁱ	29.6180 ^{iv}	— 2	+1.6	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 28 & 5.21 \end{smallmatrix}$	+ 8 16.52	+ 80	+ 30	+14	5	23.02		
	7		28.0500 ^{iv}	12.7507 ⁱⁱ	— 18	—1.2	—1.6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 55.76 \end{smallmatrix}$	+ 6 26.53	+ 68	— 39	+11	5	22.74	72.1	
	8		12.9960	28.6840	+117	—1.5	—1.6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 0.49 \end{smallmatrix}$	— 6 36.69	— 45	— 44	—12	7	22.86		
	9		24.2690	21.2307	+ 73	— .8	—1.5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 41.07 \end{smallmatrix}$	— 1 16.95	— 9	— 32	— 2	12	23.81		
	10		24.5113	15.7043	+ 8	+ .1	— .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 40 & 6.47 \end{smallmatrix}$	+ 3 42.55	— 25	— 1	— 6	6	23.66		
	11		35.0247 ^{iv}	7.0310 ⁱⁱ	+ 72	—1.0	—1.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 24 & 33.72 \end{smallmatrix}$	+11 47.52	+1.04	— 33	+20	7	[22.22]	*	
	12		15.0113	26.6280	+ 83	— .4	— .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 17.47 \end{smallmatrix}$	— 4 53.74	— 33	— 13	— 9	7	23.25	71.8	
Aug. 5	III 1	D	15.9573	32.4590	—606	—1.2	—1.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 21.20 \end{smallmatrix}$	— 6 58.73	+ 17	— 32	—14	9	22.27	67.7†	
	2		32.3293 ^{iv}	7.3310 ⁱⁱ	— 8	— .8	—1.7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 57.18 \end{smallmatrix}$	—10 31.99	—1.28	— 34	—25	11	23.43	66.3	
	3		34.9670 ^{iv}	10.5520 ⁱⁱ	+106	—1.9	— .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 26 & 4.53 \end{smallmatrix}$	+10 17.54	+1.29	— 42	+18	5	23.17		
	4		33.5277 ^{iv}	9.3250 ⁱⁱ	+ 52	— .4	— .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 26 & 9.74 \end{smallmatrix}$	+10 12.03	+1.29	— 7	+18	6	23.23		
	5		14.9977	25.9073	+ 43	+ .8	+ .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 31 & 46.83 \end{smallmatrix}$	+ 4 35.93	— 11	+ 20	+ 9	7	23.01	65.8	
	6		23.2123	18.8963	+ 40	— .2	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 12.00 \end{smallmatrix}$	— 1 49.22	+ 4	— 13	— 3	6	22.72		
	7		18.2310	20.4863	— 12	— .5	— .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 19.94 \end{smallmatrix}$	— 56.99	+ 2	— 19	— 2	6	22.82		
	8		23.8857	17.9057	+ 47	—1.6	—1.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 51.98 \end{smallmatrix}$	+ 2 31.31	— 6	— 38	+ 4	6	22.95		
	9		26.2977	11.8497	—116	—1.1	—1.6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 27.93 \end{smallmatrix}$	— 6 4.99	+ 15	— 38	—10	5	22.66	64.0	
	IV 1	D	20.1497	18.6177	— 8	+2.4	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 1.55 \end{smallmatrix}$	— 38.71	+ 2	+ 39	— 1	13	23.37	60.9	
	2		18.4500	19.4040	— 9	—2.4	—2.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 47.52 \end{smallmatrix}$	— 24.10	+ 1	— 68	— 1	11	22.85		
	3		11.7290	23.3297	+ 19	— .7	—1.8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 23.83 \end{smallmatrix}$	+ 6 59.75	— 16	— 34	+13	7	23.28		
	4		21.8590	16.8027	— 30	+ .4	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 30.10 \end{smallmatrix}$	— 2 7.76	+ 5	+ 6	— 4	10	22.51	61.0	
	5		11.2040 ⁱⁱ	28.2767 ^{iv}	+ 7	— .6	—2.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 10.38 \end{smallmatrix}$	+ 7 11.65	+1.36	— 38	+12	6	23.19	61.1	
	6		29.8230 ^{iv}	10.3120 ⁱⁱ	0	—2.1	—1.8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 28 & 8.77 \end{smallmatrix}$	+ 8 13.28	+1.34	— 56	+13	5	23.01		
	7		11.4410 ⁱⁱ	26.5513 ^{iv}	+ 43	+ .4	—1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 59.30 \end{smallmatrix}$	+ 6 22.13	+1.38	— 7	+11	6	22.91		
	8		26.1637	10.2742	—225	+ .1	— .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 4.42 \end{smallmatrix}$	— 6 41.15	+ 16	— 6	—12	7	23.32	60.9	
	9		17.4260	20.6137	— 28	—2.4	—2.4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 44.09 \end{smallmatrix}$	— 1 20.27	+ 3	— 69	— 2	11	23.25		
	10		15.5473	24.5003	+ 2	—2.0	—1.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 40 & 9.84 \end{smallmatrix}$	— 3 46.36	+ 9	— 49	— 6	6	23.08	60.2	
	11		6.7920 ⁱⁱ	34.6993 ^{iv}	+ 51	—1.5	—1.5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 24 & 36.98 \end{smallmatrix}$	+11 45.69	+1.25	— 43	+21	6	23.76		
Aug. 6	12		25.6910	13.8953	— 21	— .1	+ .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 20.64 \end{smallmatrix}$	— 4 58.17	+ 12	— 0	— 9	7	22.57	60.3	
	III 1	R	29.0530	12.4807	+110	.0	+1.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 21.43 \end{smallmatrix}$	— 6 59.26	+ 17	+ 16	—15	9	22.44	69.0	
	2		9.1623 ⁱⁱ	34.2177 ^{iv}	+ 75	+1.3	+2.6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 57.16 \end{smallmatrix}$	—10 33.65	—1.28	+ 54	—24	11	22.64		
	3		7.7030 ⁱⁱ	32.0973 ^{iv}	— 5	+1.4	+ .3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 26 & 4.81 \end{smallmatrix}$	+10 16.73	+1.29	+ 26	+18	5	23.32		
	4		9.1787 ⁱⁱ	33.3690 ^{iv}	+ 47	+ .4	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 26 & 9.97 \end{smallmatrix}$	+10 11.71	+1.29	+ 6	+18	6	23.27		
	5		26.5083	15.6217	+100	— .4	+ .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 31 & 47.07 \end{smallmatrix}$	+ 4 35.49	— 11	+ 5	+ 9	7	22.66	69.4	
	6		18.0220	22.3563	+ 8	—1.3	— .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 12.26 \end{smallmatrix}$	— 1 49.60	+ 4	— 23	— 3	6	22.50	69.8	
	7		20.7910	18.4823	— 8	+1.4	+ .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 20.20 \end{smallmatrix}$	— 58.35	+ 2	+ 34	— 2	6	22.25		
	8		17.7787	23.7367	+ 40	— .9	— .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 52.25 \end{smallmatrix}$	+ 2 30.73	— 6	— 22	+ 4	6	22.80		
	9		12.7277	27.1853	— 3	—2.0	— .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 28.21 \end{smallmatrix}$	— 6 5.51	+ 15	— 44	—10	5	22.36	69.1	

* Probably bisected with thread V by mistake. † Outside micrometer limit.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Aug. 6	IV 1 R	1	19.5837	21.1100	+ 3	-1.7	-1.7	40 37 1.81	- 38.60	+ 2	- 49	- 1	13	40 36 22.86	65.2
		2	25.0143	24.0433	+ 37	-1.6	-1.6	40 36 47.79	- 24.64	+ 1	- 46	- 1	11	22.80	
		3	27.9357	11.3527	- 52	-1.7	- .9	40 29 24.13	+ 6 59.12	- 16	- 39	+13	7	22.90	
		4	18.7967	23.8440	+ 58	-1.2	-1.0	40 38 30.37	- 2 7.75	+ 5	- 32	- 4	10	22.41	64.4
		5	28.0920 ^{iv}	11.0807 ⁱⁱ	+ 12	+ .6	+ .4	40 29 10.68	+ 7 10.12	+1.36	+ 15	+12	6	22.49	
		6	9.1027 ⁱⁱ	28.5907 ^{iv}	+ 5	.0	- .4	40 28 9.07	+ 8 12.71	+1.34	- 5	+13	5	23.25	
		7	27.0347 ^{iv}	11.9453 ⁱⁱ	+ 22	- .3	+ .8	40 29 59.60	+ 6 21.55	+1.38	+ 5	+11	6	22.75	
		8	12.4307	28.3037	+ 50	- .7	- .4	40 43 4.70	- 6 41.43	+ 16	- 16	-12	7	23.22	
		9	21.7927	18.5610	- 4	- .4	+ .8	40 37 44.34	+ 1 21.69	+ 3	+ 3	- 2	11	22.80	64.6
		10	24.2853	15.2787	- 22	+ .8	- .6	40 40 10.13	- 3 47.67	+ 9	+ 5	- 6	6	22.60	63.9
Aug. 9	III 1 D	11	33.2097 ^{iv}	5.3243 ⁱⁱ	- 51	-1.6	- .5	40 24 37.25	+11 44.88	+1.25	- 32	+21	6	23.33	
		12	14.5050	26.3290	+ 43	+ .5	+ .9	40 41 20.89	- 4 59.04	+ 12	+ 20	- 9	6	22.14	72.0
		1	13.2903	29.8677	+226	- .3	+1.0	40 43 21.93	- 6 59.69	+ 17	+ 7	-15	9	22.42	71.2
		2	30.9057 ^{iv}	5.8177 ⁱⁱ	- 74	+1.5	+1.3	40 46 57.97	-10 34.10	-1.28	+ 40	-24	11	22.86	
		3	32.5387 ^{iv}	8.1757 ⁱⁱ	+ 14	- .2	+1.7	40 26 5.48	+10 15.99	+1.29	+ 18	+18	5	23.17	
		4	32.4537 ^{iv}	8.2793 ⁱⁱ	+ 14	+1.2	+2.0	40 26 10.70	+10 11.22	+1.29	+ 45	+18	6	23.90	
		5	14.5917	25.4540	+ 3	+ .7	+ .1	40 31 47.82	+ 4 34.63	- 11	+ 13	+ 9	7	22.63	70.4
		6	22.0567	17.6593	- 8	+2.6	+1.3	40 38 13.09	- 1 51.16	+ 4	+ 58	- 3	6	22.58	
		7	18.6363	20.9653	- 7	+1.3	+1.7	40 37 21.06	- 58.86	+ 2	+ 42	- 2	6	22.68	
		8	22.4127	16.5063	- 29	+2.7	+2.1	40 33 53.13	+ 2 29.25	- 6	+ 70	+ 4	6	23.12	
Aug. 10	IV 1 D	9	25.9370	11.4433	-164	+ .2	-1.3	40 42 29.07	- 6 6.02	+ 15	- 13	-10	5	23.02	70.2
		1	20.1017	18.5273	- 10	+1.5	+ .9	40 37 2.67	- 39.78	+ 2	+ 35	- 1	13	23.38	65.6
		2	19.1140	20.1817	- 3	+1.5	+1.7	40 36 48.68	- 26.99	+ 1	+ 45	- 9	11	22.17	65.7
		3	11.6737	28.2053	- 11	+1.0	-2.2	40 29 25.09	+ 6 57.93	- 16	- 11	+13	7	22.95	
		4	21.4637	16.3267	- 51	+2.0	+1.5	40 38 31.28	- 2 9.75	+ 5	+ 51	- 4	10	22.15	
		5	11.4110 ⁱⁱ	28.3890 ^{iv}	+ 4	+ .3	+ .4	40 29 11.67	+ 7 9.25	+1.36	+ 10	+12	6	22.56	
		6	30.7027 ^{iv}	10.2720 ⁱⁱ	+ 2	- .6	- .2	40 28 10.06	+ 8 11.26	+1.34	- 12	+13	5	22.72	64.1
		7	13.3893 ⁱⁱ	28.4150 ^{iv}	- 40	+1.7	+1.7	40 30 0.58	+ 6 19.78	+1.38	+ 49	+11	6	22.40	
		8	27.5413	11.5790	- 60	+2.4	+1.2	40 43 5.64	- 6 43.41	+ 16	+ 54	-12	7	22.88	
		9	18.3020	21.5840	- 3	+ .6	+ .8	40 37 45.17	- 1 22.97	+ 3	+ 19	- 2	11	22.51	63.9
Aug. 10	III 2 R	10	15.7183	24.7423	+ 17	-1.5	- .7	40 40 11.05	- 3 48.19	+ 9	- 33	- 6	6	22.62	
		11	5.1763 ⁱⁱ	33.0077 ^{iv}	- 62	- .3	- .5	40 24 38.13	+11 43.49	+1.25	- 11	+21	6	23.03	
		12	32.7743	11.9157	-224	- .7	- .9	40 41 21.75	- 4 59.25	+ 12	- 23	- 9	7	22.37	64.4
		1	27.7503	11.1680	- 78	-1.0	-1.1	40 43 22.10	- 6 59.04	+ 17	- 30	-15	9	22.87	67.5
		2	8.5830 ⁱⁱ	33.6800 ^{iv}	+ 52	+1.7	+1.4	40 46 58.16	-10 34.64	-1.28	+ 45	-24	11	22.56	67.2
		3	7.4670 ⁱⁱ	31.8207 ^{iv}	- 16	+2.3	+3.7	40 26 5.71	+10 15.68	+1.29	+ 83	+18	5	23.74	68.6
		4	7.5190 ⁱⁱ	31.6727 ^{iv}	- 15	+3.4	+1.9	40 26 10.93	+10 10.62	+1.29	+ 78	+18	6	23.86	
		5	25.9263	15.0437	+ 46	-2.6	-1.2	40 31 48.07	+ 4 35.25	- 11	- 57	+ 9	7	22.80	67.0
		6	18.6507	23.0067	+ 31	-2.0	-1.2	40 38 13.35	- 1 50.21	+ 4	- 47	- 3	6	22.74	65.1
		7	21.2137	18.9210	0	-2.2	-2.7	40 37 21.33	- 57.96	+ 2	- 69	- 2	6	22.74	
Aug. 20	IV 1 R	8	17.0610	22.9917	0	-1.4	-1.8	40 33 53.42	+ 2 29.94	- 6	- 45	+ 4	6	22.95	
		9	13.6693	28.1710	+116	+ .2	+2.0	40 42 29.40	- 6 6.93	+ 15	+ 28	-10	5	22.85	65.0
		1	20.2323	21.8077	- 13	- .6	0	40 37 2.97	- 39.86	+ 2	- 9	- 1	13	23.16	62.1
		2	22.4353	21.4093	- 15	-2.2	-2.0	40 36 49.00	- 25.90	+ 1	- 60	- 1	11	22.61	
		3	28.0990	11.5813	- 22	+ .3	0	40 29 25.44	+ 6 57.55	- 16	+ 5	+13	7	23.08	62.5
		4	18.2380	23.3487	+ 36	-1.8	+ .2	40 38 31.60	- 2 9.30	+ 5	- 26	- 4	10	22.15	
		5	28.2227 ^{iv}	11.2680 ⁱⁱ	+ 8	+ .5	+1.5	40 29 12.02	+ 7 8.67	+1.36	+ 27	+12	6	22.50	
		7	26.8863 ^{iv}	11.8420 ⁱⁱ	+ 28	-1.8	- .8	40 30 0.92	+ 6 20.43	+1.38	- 39	+11	5	22.50	61.7
		8	13.0463	28.9827	+132	-1.2	- .3	40 43 5.97	- 6 43.24	+ 16	- 23	-12	7	22.61	62.0
		9	21.7623	18.5030	+ 3	- .2	- .6	40 37 45.47	- 1 22.41	+ 3	- 10	- 2	11	23.08	
Aug. 20	III 2 D	10	24.1673	15.1137	- 28	+2.6	+1.2	40 40 11.38	- 3 48.83	+ 9	+ 57	- 6	6	23.21	61.6
		11	34.4823 ^{iv}	6.6900 ⁱⁱ	+ 41	+1.2	+3.1	40 24 38.45	+11 42.76	+1.25	+ 58	+21	6	23.31	62.0
		12	13.8933	25.7413	- 20	- .9	- .7	40 41 22.06	- 4 59.49	+ 12	- 23	- 9	7	22.44	
		3	32.1530 ^{iv}	7.0097 ⁱⁱ	- 19	+1.1	+1.1	40 46 59.41	-10 35.63	-1.28	+ 32	-24	11	22.69	68.8
		3	32.3123 ^{iv}	8.0093 ⁱⁱ	+ 6	-1.1	- .8	40 26 7.35	+10 14.45	+1.29	- 28	+18	5	23.04	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Aug. 20	III 5	D	14.2933	25.0670	— 30	+1.3	+1.5	40 31' 49" 82	+ 4 32.31	— 11	+ 40	+ 9	7	40 46' 22.58	69.1
			21.8910	17.4120	— 14	+2.8	+1.9	40 38 14.93	— 1 53.20	+ 4	+ 69	— 3	6	22.49	
			18.5790	21.9957	+ 8	+2.0	+2.1	40 37 23.45	— 1 1.12	+ 2	+ 59	— 2	6	22.98	
			23.0963	17.2647	+ 9	+ .1	— .1	40 33 55.65	+ 2 27.46	— 6	— 0	+ 4	6	23.15	68.8
			27.3607	12.7880	+ 11	.0	—1.0	40 42 31.70	— 6 8.46	+ 15	— 8	—10	5	23.26	
	IV 1	D	19.8037	18.1190	— 15	— .8	— .6	40 37 5.44	— 42.56	+ 2	— 20	— 1	13	22.82	65.1
			18.7097	19.8210	— 7	—4.0	—4.4	40 36 51.60	— 28.08	+ 1	—1.21	— 1	11	22.42	65.1
			9.9943	26.4390	—253	— .6	—1.6	40 29 28.31	+ 6 55.12	— 16	— 29	+13	7	23.18	
			21.0033	15.7903	— 74	—1.2	—1.5	40 38 34.31	— 2 11.61	+ 5	— 39	— 4	10	22.42	
			11.1953 ⁱⁱ	28.0667 ^{iv}	+ 11	— .8	— .1	40 29 15.04	+ 7 6.58	+1.36	— 14	+12	6	23.02	
			28.8227 ^{iv}	9.4947 ⁱⁱ	+ 4	—2.4	—1.8	40 28 13.47	+ 8 8.67	+1.34	— 61	+13	5	23.05	64.9
			11.8333 ⁱⁱ	26.7490 ^{iv}	+ 34	+ .5	— .2	40 30 3.97	+ 6 17.19	+1.38	+ 5	+11	6	22.76	
			26 6020	10.5203	—201	+ .7	+ .8	40 43 8.92	— 6 46.07	+ 16	+ 21	—12	7	23.17	
			17.5217	20.8960	+ 36	+ .7	— .4	40 37 48.08	— 1 25.25	+ 3	+ 6	— 2	11	23.01	
			15.4743	24.6667	+ 5	+ .1	+ .5	40 40 14.36	— 3 52.42	+ 9	+ 8	— 6	6	22.11	63.7
Aug. 21	III 1	R	5.3883 ⁱⁱ	33.0940 ^{iv}	— 51	+2.3	+1.8	40 24 41.34	+11 40.33	+1.25	+ 59	+21	6	23.78	
			25.3800	13.3847	— 65	+ .9	+ .2	40 41 24.88	— 5 3.10	+ 12	+ 17	— 9	7	22.05	64.1
			28.1383	11.4787	— 28	+ .6	+1.1	40 43 23.34	— 7 1 12	+ 17	+ 23	—15	9	22.56	65.8
			8.4330 ⁱⁱ	33.5760 ^{iv}	+ 45	+ .7	+ .6	40 46 59.57	—10 35.79	—1.28	+ 19	—24	11	22.56	
			7.3380 ⁱⁱ	31.6303 ^{iv}	— 21	+1.9	+1.6	40 26 7.54	+10 14.11	+1.29	+ 50	+18	5	23.67	65.1
	III 4	R	8.3317 ⁱⁱ	32.4220 ^{iv}	+ 14	— .9	—2.2	40 26 12.79	+10 9.09	+1.29	— 42	+18	6	22.99	
			26.8327	16.0437	+135	—1.5	— .7	40 31 50.03	+ 4 33.11	— 11	— 33	+ 9	7	22.86	61.7
			18 4393	22.8668	+ 24	—3.2	—2.8	40 38 15.59	— 1 51.99	+ 4	— 87	— 3	6	22.80	
			21.7157	19.3160	+ 9	.0	+1.2	40 37 23.68	— 1 0.69	+ 2	+ 15	— 2	6	23.20	60.7
			17.6883	23.5060	+ 32	—1.8	— .6	40 33 55.89	+ 2 27.17	— 6	— 36	+ 4	6	22.74	
Aug. 22	III 1	D	13.3310	27.9343	+ 92	— .8	+ .7	40 42 31.95	— 6 9.44	+ 15	— 4	—10	5	22.57	61.1
			12.5590	29.1960	+125	+ .7	+2.3	40 43 23.48	— 7 0.94	+ 17	+ 40	—14	9	23.06	67.8
			30.6030 ^{iv}	5.4303 ⁱⁱ	— 90	+1.5	+ .8	40 46 59.73	—10 36.20	—1.28	+ 34	—25	11	22.45	67.0
			32.5860 ^{iv}	8.3010 ⁱⁱ	+ 17	—1.5	—1.9	40 26 7.73	+10 14.02	+1.29	+ 48	+18	5	22.79	
			30.8083 ^{iv}	6.7087 ⁱⁱ	— 46	+2.0	+1.1	40 26 12.91	+10 9.18	+1.29	+ 46	+18	6	24.08	
	III 5	D	15 3690	26.1620	+ 73	— .6	—1.3	40 31 50.24	+ 4 33.06	— 11	— 26	+ 9	7	23.09	66.4
			22.8587	18.3827	+ 24	+1.5	— .1	40 38 15.82	— 1 53.22	+ 4	+ 22	— 3	6	22.89	65.8
			19.1793	21.6013	+ 7	+ .2	— .4	40 37 23.93	— 1 1.25	+ 2	— 2	— 2	6	22.72	66.4
			24.2670	18.4723	+ 72	+1.0	+ .4	40 33 56.15	+ 2 26.69	— 6	+ 21	+ 4	6	23.09	
			26.7193	12.0987	— 76	+1.7	+ .5	40 42 32.21	— 6 9.45	+ 15	+ 34	—10	5	23.20	66.5
Aug. 23	IV 1	R	19.3670	21.0837	+ 3	+ .8	+ .7	40 37 5.98	— 43.41	+ 2	+ 22	— 1	13	22.93	65.0
			21.9633	20.7980	+ 14	+1.0	+ .8	40 36 52.16	— 29.50	+ 1	+ 26	— 1	11	23.03	
			28.8673	12.4997	+ 95	— .4	— .1	40 29 28.93	+ 6 54.05	— 16	— 8	+13	7	22.94	
			18.6707	23.9163	+ 59	+ .3	+ .5	40 38 34.89	— 2 12.77	+ 5	+ 11	— 4	10	22.34	
			29.5373 ^{iv}	12.6963 ⁱⁱ	— 30	— .4	+ .1	40 29 15.69	+ 7 5.70	+1.36	— 5	+12	6	22.88	64.7
	III 6	D	10.9470 ⁱⁱ	30.2057 ^{iv}	— 3	+2.9	+2.2	40 28 14.11	+ 8 6.90	+1.34	+ 74	+13	5	23.27	
			27.8127 ^{iv}	12.9177 ⁱⁱ	— 16	— .2	+ .4	40 30 4.62	+ 6 16.54	+1.38	+ 2	+11	6	22.73	
			13.0390	29.0953	+150	— .8	+ .1	40 43 9.54	— 6 46.32	+ 16	— 11	—12	7	23.22	64.1
			23.0193	19.6203	+ 37	+ .9	— .4	40 37 48.62	— 1 26.03	+ 3	+ 9	— 2	11	22.80	
			24.4920	15.2897	— 7	+2.1	+ .4	40 40 14.98	— 3 52.64	+ 9	+ 39	— 6	6	22.82	63.8
Aug. 23	III 1	R	34.9057 ^{iv}	7.2210 ⁱⁱ	+ 71	—1.6	— .2	40 24 41.94	+11 40.11	+1.25	— 28	+21	6	23.29	63.1
			15.9587	27.9050	+201	— .1	+ .8	40 41 25.46	— 5 2.54	+ 12	+ 8	— 9	7	23.10	
			28.1333	11.4700	— 26	+ .2	+1.3	40 43 23.60	— 7 1.22	+ 17	+ 19	—15	9	22.68	73.3
			8.0927 ⁱⁱ	33.2430 ^{iv}	+ 30	+2.4	+1.9	40 46 59.87	—10 35.93	—1.28	+ 63	—24	11	23.16	72.6
			7.2037 ⁱⁱ	31.4823 ^{iv}	— 26	+ .3	+1.7	40 26 7.91	+10 13.75	+1.29	+ 26	+18	5	23.44	
	III 4	R	7.8000 ⁱⁱ	32 8870 ^{iv}	+ 16	+ .5	— .2	40 26 13.17	+10 9.02	+1.29	+ 6	+18	6	23.78	
			27.0850	16.3300	+160	— .2	—1.5	40 31 50.44	+ 4 32.32	— 11	— 20	+ 9	7	22.61	72.0
			18.0050	22.4987	+ 11	— .4	.0	40 38 16.05	— 1 53.64	+ 4	— 6	— 3	6	22.42	
			21.8583	19.4193	+ 14	+1.1	.0	40 37 24.17	— 1 1.70	+ 2	+ 18	— 2	6	22.71	
			17.3257	23.1223	+ 10	+ .8	+ .9	40 33 56.40	+ 2 26.58	— 6	+ 25	+ 4	6	23.27	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.		Thermom.	
						A	B		Micrometer.	δ	l	r	Mer				
Aug. 23	III 9	R	12.4520	27.0793	— 30	—1.8	+ .1	40 42 32.47	— 6 9.74	+ 15	— 27	—10	5		40 36 22.56	71.2	
			19.7363	18.0113	— 16	—1.1	—1.6	40 37 6.27	— 43.57	+ 2	— 38	— 1	13		22.46	66.6a	
			2	17.6880	18.8370	— 17	—3.0	—2.2	40 36 52.46	— 29.01	+ 1	— 74	— 1	11		22.82	
			3	12.2017	28.5707	+ 56	— .0	— .6	40 29 29.25	+ 6 54.00	— 16	— 7	+13	7		23.22	67.3a
			4	20.0033	14.7400	—121	+1.0	.0	40 38 35.20	— 2 12.76	+ 5	+ 16	— 4	10		22.71	
			5	11.7493 ⁱⁱ	28.5737 ^{iv}	— 4	— .5	— .8	40 29 16.03	+ 7 5.35	+1.36	— 18	+12	6		22.74	66.7
			6	30.5110 ^{iv}	11.2427 ⁱⁱ	— 4	— .6	+ .5	40 28 14.46	+ 8 7.14	+1.34	— 3	+13	5		23.09	
			7	12.9800 ⁱⁱ	27.8687 ^{iv}	— 20	— .2	—1.5	40 30 4.96	+ 6 16.37	+1.38	— 22	+11	6		22.66	
			8	27.8597	11.7797	— 28	— .3	—1.4	40 43 9.87	+ 6 46.47	+ 16	— 22	—12	7		23.29	
			9	18.9597	22.3740	+ 29	— .0	+ .2	40 37 48.92	— 1 26.39	+ 3	+ 2	— 2	11		22.67	
Aug. 24	III 1	D	14.9030	24.0693	— 39	—2.3	—1.3	40 40 15.31	— 3 51.65	+ 9	— 53	— 6	6		23.22	65.8	
			26.0000	14.0007	0	+ .3	— .3	40 41 25.77	— 5 3.37	+ 12	+ 1	— 9	7		22.51	65.6	
			2	12.8563	29.5183	+173	+1.6	+1.1	40 43 23.71	— 7 1.69	+ 17	+ 40	—15	9		22.53	74.7
			3	31 8997 ^{iv}	6.7180 ⁱⁱ	— 33	+2.5	+2.9	40 47 0.00	—10 36.57	—1.28	+ 77	—24	11		22.79	74.4
			4	31.6080 ^{iv}	7.3550 ⁱⁱ	— 20	— .3	+ .8	40 26 8.08	+10 13.12	+1.29	+ 5	+18	5		22.77	
			5	31.6063 ^{iv}	7.5380 ⁱⁱ	— 17	+1.1	+1.8	40 26 13.37	+10 8.46	+1.29	+ 40	+18	6		23.76	74.1
			6	14.5813	25.3637	— 0	+ .4	+ .1	40 31 50.63	+ 4 32.60	— 11	+ 8	+ 9	7		23.36	
			7	22.3337	17.8407	+ 3	+ .9	+ .3	40 38 16.26	— 1 53.60	+ 4	+ 18	— 3	6		22.91	73.5
			8	18.3140	20.7673	— 10	+ .5	— .1	40 37 24.40	— 1 2.00	+ 2	+ 6	— 2	6		22.52	
			9	23.1857	17.4027	+ 15	+ .7	+1.0	40 33 56.64	+ 2 26.25	— 6	+ 24	+ 4	6		23.17	
	IV 2	R	27.9497	13.3253	+ 49	+ .5	—1.1	40 42 32.72	— 6 9.86	+ 15	— 6	—10	5		22.90	72.4	
			22.6253	21.4583	+ 21	—2.1	—1.7	40 36 52.76	— 29.56	+ 1	— 55	— 1	11		22.76	68.7	
			3	30.6687	14.3540	+357	— .9	+ .2	40 29 29.59	+ 6 53.38	— 16	— 12	+13	7		22.89	
			4	18.2820	23.5193	+ 42	— .6	— .8	40 38 35.51	— 2 12.52	+ 5	— 20	— 4	10		22.90	
			5	28.0990 ^{iv}	11.2923 ⁱⁱ	+ 11	—1.4	— .7	40 29 16.37	+ 7 4.94	+1.36	— 31	+12	6		22.54	68.1
			6	9.9420 ⁱⁱ	29.1893 ^{iv}	+ 3	+1.2	+ .1	40 28 14.81	+ 8 6.62	+1.34	+ 21	+13	5		23.16	
			7	27.1663 ^{iv}	12.2910 ⁱⁱ	+ 12	— .4	.0	40 30 5.30	+ 6 16.11	+1.38	— 6	+11	6		22.90	
			8	13.0170	29.0863	+148	— .7	— .8	40 43 10.21	— 6 46.64	+ 16	— 22	—12	7		23.46	
			9	22.2937	18.8887	+ 18	.0	— .5	40 37 49.23	— 1 26.13	+ 3	— 6	— 6	11		23.12	68.2
			10	23.8577	14.6477	— 60	+ .4	— .4	40 40 15.65	— 3 52.70	+ 9	+ 1	— 6	6		23.05	67.4
Aug. 31	III 1	R	35.2723 ^{iv}	7.6217 ⁱⁱ	+ 97	— .8	— .6	40 24 42.59	+11 39.32	+1.25	— 20	+20	6		23.22		
			14.2130	26.2167	+ 21	— .5	— .7	40 41 26.10	— 5 3.53	+ 12	— 17	— 9	7		22.50	67.6	
			2	27.7403	11.0697	— 85	— .2	— .2	40 43 24.07	— 7 1.26	+ 17	— 6	—15	9		22.86	67.5
			3	8.4453 ⁱⁱ	33.6010 ^{iv}	+ 47	+ .1	— .6	40 47 0.51	—10 36.11	—1.28	— 6	—24	11		22.93	
			4	7.0267 ⁱⁱ	31.2607 ^{iv}	— 33	+1.0	+ .8	40 26 8.81	+10 12.61	+1.29	+ 26	+18	6		23.21	66.6
			5	7.8543 ⁱⁱ	31.8903 ^{iv}	— 6	— .5	.0	40 26 14.15	+10 7.67	+1.29	— 8	+18	6		23.27	
			6	25.5117	14.7747	+ 13	— .3	— .4	40 31 51.31	+ 4 31.49	— 11	— 10	+ 9	7		22.75	65.8
			7	18.0173	22.5273	+ 11	—2.2	— .8	40 38 17.32	— 1 54.05	+ 4	— 45	— 3	6		22.89	
			8	21.6737	19.1957	+ 9	+ .4	— .3	40 37 25.55	— 1 2.67	+ 2	+ 2	— 2	6		22.96	
			9	18.0467	23.7863	+ 47	—1.1	— .1	40 33 57.88	+ 2 25.23	— 6	— 19	+ 4	6		22.96	
	IV 1	D	11.2697	25.9717	—176	—1.5	+ .3	40 42 34.04	— 6 11.26	+ 15	— 20	—10	5		22.68	65.0	
			19.9543	18.1503	— 15	+2.5	+1.3	40 37 8.21	— 45 57	+ 2	+ 57	— 2	14		23.35	63.4	
			2	25.6217	26.8560	+ 67	—1.8	— .2	40 36 54.51	— 31.38	+ 1	— 31	— 1	11		22.93	64.1
			3	10.6157	26.9010	—178	+1.5	+ .3	40 29 31.55	+ 6 51.28	— 16	+ 27	+13	7		23.14	
			4	21.8007	16.4523	— 41	+2.3	+ .5	40 38 37.39	— 2 15.12	+ 5	+ 45	— 4	10		22.83	
			5	10.9693 ⁱⁱ	27.6527 ^{iv}	+ 20	+2.2	+1.1	40 29 18.48	+ 7 1.85	+1.36	+ 49	+12	6		22.36	62.6
			6	29.3487 ^{iv}	10.1833 ⁱⁱ	+ 1	—1.6	— .8	40 28 16.96	+ 8 4.55	+1.34	— 36	+13	5		22.67	
			7	13.8613 ⁱⁱ	28.6527 ^{iv}	— 59	+ .8	+ .9	40 30 7.47	+ 6 13.81	+1.38	+ 24	+11	6		23.07	
			8	27.8860	11.6933	— 30	+1.4	+ .1	40 43 12.32	— 6 49.31	+ 16	+ 24	—12	7		23.36	
			9	18.9963	22.4960	+ 24	+1.2	+ .6	40 37 51.12	— 1 28.54	+ 3	+ 27	— 2	11		22.97	
Sep. 7	III 1	D	15.5987	24.8900	+ 19	— .3	+ .5	40 40 17.84	— 3 54.95	+ 9	+ 1	— 6	6		22.99	62.0	
			11	6.1707 ⁱⁱ	33.7533 ^{iv}	— 2	+ .1	— .3	40 24 44.73	+11 37.35	+1.25	— 2	+21	6		23.58	
			12	25.7873	13.6817	— 29	— .1	+ .1	40 41 28.20	— 5 5.98	+ 12	— 0	— 9	7		22.32	62.3
			1	13.9473	30.6133	+332	+ .7	+2.5	40 43 24.58	— 7 2.19	+ 17	+ 43	—15	9		22.93	70.8
			2	32.4370 ^{iv}	7.2417 ⁱⁱ	— 7	+ .3	+ .2	40 47 1.17	—10 36.98	—1.28	+ 7	—24	11		22.85	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Sep. 7	III 3	D	30.7803 ^{iv}	6.5717 ⁱⁱ	-50	-.6	-.5	40 26 9.66	+10 11.92	+1.20	-16	+17	5	40 36 22.84	71.0
			11.9290	22.6340	-254	+1.1	+.2	40 31 52.50	+4 30.00	-11	+20	+9	7	22.75	
			22.7270	18.1380	+15	+1.2	+1.1	40 38 18.46	-1 56.06	+4	+33	-3	6	22.80	71.1
			18.4030	20.9327	-8	-1.3	-.6	40 37 26.78	-1 3.94	+2	-28	-2	6	22.62	
			22.8053	17.1180	-2	+.1	+.5	40 33 59.19	+2 23.78	-6	+8	+4	6	23.09	
Sep. 11	III 1	R	26.8513	12.1027	-68	+.7	-.3	40 42 35.42	-6 12.71	+15	+7	-11	5	22.87	71.0
			28.1467	11.4837	-27	-2.3	-1.9	40 43 24.61	-7 1.21	+17	-61	-15	9	22.90	64.8
			7.8913 ⁱⁱ	33.0983 ^{iv}	+23	-.4	.0	40 47 1.29	-10 37.35	-1.19	-6	-25	11	22.55	
			8.3240 ⁱⁱ	32.5363 ^{iv}	+15	-.3	-.4	40 26 9.88	+10 12.18	+1.20	-10	+17	5	23.38	63.9
			8.7213 ⁱⁱ	32.7473 ^{iv}	+26	-2.0	-2.2	40 26 15.25	+10 7.50	+1.20	-60	+18	6	23.59	
			26.4003	15.7207	+98	-1.2	-.5	40 31 52.83	+4 30.25	-11	-26	+9	7	22.87	62.6
			18.1220	22.7227	+17	+.6	+1.7	40 38 18.87	-1 56.36	+4	+31	-3	6	22.89	
			21.0457	18.5020	-6	-1.4	-1.5	40 37 27.26	-1 4.30	+2	-41	-2	6	22.61	61.5
			16.8167	22.4777	-18	-1.4	-.8	40 33 59.72	+2 23.08	-6	-22	+4	6	22.62	
			13.3840	28.1737	+103	+1.6	+3.2	40 42 36.01	-6 14.18	+15	+66	-10	5	22.59	
	IV 1	R	19.5327	21.1143	+2	.0	.0	40 37 10.72	-47.58	+2	0	-2	13	23.27	57.8
			21.3173	19.9573	+6	-.1	.0	40 36 57.18	-34.40	+1	-1	-1	11	22.88	
			29.3183	13.1633	+175	-1.1	-.4	40 29 34.53	+6 48.88	-16	-23	+13	7	23.22	58.2
			17.8467	23.2963	+28	-.1	-.2	40 38 40.23	-2 17.85	+5	-4	-5	10	22.44	
			28.0847 ^{iv}	11.4720 ⁱⁱ	+7	-.7	-1.1	40 29 21.66	+7 0.02	+1.27	-25	+12	6	22.88	
			10.1067 ⁱⁱ	29.1340 ^{iv}	+12	+.9	-.1	40 28 20.21	+8 1.08	+1.25	+13	+13	5	22.85	57.2
			27.2463 ^{iv}	12.5837 ⁱⁱ	+4	-1.4	.0	40 30 10.77	+6 10.71	+1.29	-22	+10	6	22.71	
			12.1304	28.4037	+38	-.9	+.1	40 43 15.51	-6 51.52	+16	-11	-12	7	23.99	
			23.1643	19.5677	+42	-.4	+.2	40 37 53.98	-1 31.04	+3	-4	-3	11	23.01	
			24.8663	15.4423	+13	+2.1	-.1	40 40 21.12	-3 58.29	+9	+33	-7	6	23.24	57.8
Sep. 12	III 1	D	33.6713 ^{iv}	6.2220 ⁱⁱ	-2	-.7	.0	40 24 47.93	+11 33.98	+1.16	-11	+20	6	23.22	
			14.6940	26.9157	+85	+1.9	+1.9	40 41 31.35	-5 9.21	+12	+54	-10	7	22.77	58.4
			13.2550	29.9187	+229	+.3	+.2	40 43 24.59	-7 1.88	+17	+7	-15	9	22.89	62.5
			32.4533 ^{iv}	7.2647 ⁱⁱ	-6	+.3	+.9	40 47 1.28	-10 36.81	-1.19	+16	-25	11	23.30	
			32.0240 ^{iv}	7.8063 ⁱⁱ	-4	-2.0	-2.2	40 26 9.90	+10 12.27	+1.20	-60	+17	5	22.99	62.1
			31.2757 ^{iv}	7.2857 ⁱⁱ	-27	-.3	-.6	40 26 15.27	+10 6.45	+1.20	-12	+18	6	23.04	
			21.4783	16.8743	-34	+.9	+.9	40 38 18.94	-1 56.31	+4	+24	-3	6	22.94	61.3
			18.4243	20.9777	-8	-1.1	-.5	40 37 27.84	-1 4.54	+2	-24	-2	6	22.62	
			22.7877	17.1267	-2	+1.1	-.1	40 33 59.81	+2 23.12	-6	+16	+3	6	23.12	
			25.9970	11.2190	-110	+1.2	-.1	40 42 36.11	-6 13.17	+15	+18	-10	5	23.22	61.4
	IV 1	D	20.3370	18.4220	-12	+1.3	+.1	40 37 10.89	-48.39	+2	+22	-4	13	22.83	60.8
			18.9130	20.2737	-4	-2.4	-1.9	40 36 57.36	-34.39	+1	-63	-1	11	23.45	
			12.0733	28.2203	+20	+.3	-1.8	40 29 34.74	+6 48.28	-16	-17	+13	7	22.89	60.6
			21.5480	16.0823	-59	+.5	-.2	40 38 40.44	-2 18.04	+5	+5	-3	10	22.57	
			11.1020 ⁱⁱ	27.6857 ^{iv}	+27	+.4	-.1	40 29 21.90	+6 59.34	+1.27	+5	+12	6	22.74	60.5
			29.5483 ^{iv}	10.5127 ⁱⁱ	0	-.4	-.1	40 28 20.46	+8 1.26	+1.25	-8	+13	5	23.07	60.4
			12.3910 ⁱⁱ	27.0537 ^{iv}	+12	-1.6	-2.2	40 30 11.02	+6 10.74	+1.29	-53	+10	6	22.68	
			26.4833	10.1647	-238	-.5	-1.5	40 43 15.75	-6 51.97	+16	-27	-12	7	23.62	
			17.8927	31.5347	-10	+1.8	+1.9	40 37 54.20	+1 32.05	+3	+53	-3	11	22.79	
			14.8863	24.3323	-31	+.8	+.2	40 40 21.39	-3 58.74	+9	+15	-7	6	22.88	59.6
Sep. 15	III 2	R	5.9343 ⁱⁱ	33.3563 ^{iv}	-24	+1.6	+1.2	40 24 48.19	+11 33.23	+1.16	+41	+20	6	23.25	
			25.3267	13.0857	-85	+1.9	+1.8	40 41 31.59	-5 9.27	+12	+53	-10	7	22.94	60.0
			10.0993 ⁱⁱ	35.2947 ^{iv}	+123	+1.3	+.5	40 47 1.32	-10 37.31	-1.19	+27	-25	11	22.95	76.0
			8.1270 ⁱⁱ	32.3433 ^{iv}	+8	-2.4	-2.8	40 26 10.00	+10 12.26	+1.20	-74	+17	5	22.94	
			8.6090 ⁱⁱ	32.5770 ^{iv}	+21	+1.3	+2.0	40 26 15.39	+10 6.02	+1.20	+46	+18	6	23.31	
			26.3870	15.7417	+99	+1.6	+1.6	40 31 53.04	+4 29.39	-11	+46	+9	7	22.94	75.6
			18.5173	23.1330	+33	+.2	+.1	40 38 19.16	-1 56.78	+4	+4	-3	6	22.49	
			21.9403	19.3517	+14	+1.4	+.5	40 37 27.60	-1 5.49	+2	+29	-2	6	22.46	75.2
			18.3907	24.0507	+60	-1.7	-1.8	40 34 0.10	+2 23.25	-6	-50	+3	6	22.88	
			12.3580	27.1643	-39	+.3	+.8	40 42 36.44	-6 14.24	+15	+15	-10	5	22.45	74.9

1894	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.	
						A	B		Micrometer.	δ	l	r	Mer			
Sep. 15	IV 1	R	19.2837	21.2160	+ 2	+1.4	+1.7	$\overset{\circ}{40} \overset{\circ}{37} \overset{''}{11}.39$	— 48.86	+ 2	+ 44	— 4	13	$\overset{\circ}{40} \overset{\circ}{36} \overset{''}{23}.08$	$\overset{\circ}{72}.4$	
			21.1520	19.7447	+ 4	+1.6	+2.2	$40 \ 36 \ 57.90$	— 35.59	+ 1	+ 53	— 1	11	22.95	71.8	
			26.5633	10.4297	—211	+ .7	+1.4	$40 \ 29 \ 35.36$	+ 6 47.36	— 16	+ 29	+13	7	23.05		
			17.3127	22.7840	+ 3	— .4	+ .1	$40 \ 38 \ 41.03$	— 2 18.33	+ 5	— 5	— 3	10	22.77		
			27.9283 ^{iv}	11.3793 ⁱⁱ	+ 11	+ .9	+ .8	$40 \ 29 \ 22.58$	+ 6 58.42	+1.27	+ 24	+12	6	22.69		
			6	9.4767 ⁱⁱ	28.4887 ^{iv}	+ 8	+ .2	— .4	$40 \ 28 \ 21.16$	+ 8 0.69	+1.25	— 2	+13	5	23.26	70.9
			7	27.0147 ^{iv}	12.4215 ⁱⁱ	+ 13	+ .2	+2.0	$40 \ 30 \ 11.73$	+ 6 8.99	+1.29	+ 28	+10	6	22.45	69.9
			8	12.2427	28.5840	+ 59	+ .9	+1.1	$40 \ 43 \ 16.45$	— 6 53.29	+ 16	+ 29	—12	7	23.56	
			9	22.3160	18.7053	+ 15	— .4	—1.7	$40 \ 37 \ 54.82$	— 1 31.34	+ 3	— 28	— 3	11	23.31	
			10	25.1927	15.7203	— 4	+1.7	+ .8	$40 \ 40 \ 22.12$	— 3 59.58	+ 9	+ 37	— 7	6	22.99	
Oct. 2	IV 1	D	11	33.3290 ^{iv}	5.9210 ⁱⁱ	— 26	— .5	+ .3	$40 \ 24 \ 48.91$	+11 32.87	+1.16	— 4	+20	6	23.16	70.9
			12	14.0213	26.2703	+ 15	+ .3	+1.2	$40 \ 41 \ 32.32$	— 5 9.72	+ 12	+ 20	—10	7	22.89	
			1	21.0260	18.9793	0	+1.9	+1.2	$40 \ 37 \ 14.45$	— 51.75	+ 1	+ 45	— 2	13	23.27	
			2	19.5810	21.1090	+ 2	— .3	0	$40 \ 37 \ 1.22$	— 38.74	+ 1	— 5	— 1	11	22.54	
			3	11.5617	27.5290	— 63	+2.2	+ .3	$40 \ 29 \ 39.09$	+ 6.43.53	— 9	+ 39	+13	7	23.12	61.2
			4	22.1723	16.5310	— 34	—1.0	— .2	$40 \ 38 \ 44.64$	— 2 22.54	+ 3	— 18	— 5	10	22.00	
			5	11.0813 ⁱⁱ	27.4760 ^{iv}	+ 24	+1.1	+ .1	$40 \ 29 \ 26.67$	+ 6 54.56	+1.35	+ 20	+12	6	22.96	
			6	30.3110 ^{iv}	11.4707 ⁱⁱ	— 8	—1.2	— .9	$40 \ 28 \ 25.41$	+ 7 56.31	+1.33	— 31	+13	5	22.92	
			8	28.0077	11.4903	— 38	+1.2	— .4	$40 \ 43 \ 20.71$	— 6 57.50	+ 10	+ 14	—12	7	23.40	60.4
			9	16.8470	20.6203	— 43	+ .6	— .1	$40 \ 37 \ 58.69$	— 1 35.29	+ 2	+ 8	— 3	11	23.58	59.5
Oct. 5	IV 1	R	10	13.9120	23.5433	—107	—1.4	— .1	$40 \ 40 \ 26.63$	— 4 3.24	+ 6	— 24	— 7	6	23.20	
			11	6.5083 ⁱⁱ	33.7637 ^{iv}	+ 7	—1.2	—2.2	$40 \ 24 \ 53.34$	+11 29.10	+1.29	— 47	+20	6	23.52	59.2
			12	26.0523	13.6360	— 19	+1.1	+1.3	$40 \ 41 \ 36.71$	+ 5 13.86	+ 7	+ 34	—10	7	23.23	
			1	19.7177	21.7777	+ 13	+ .2	—1.1	$40 \ 37 \ 15.00$	— 52.11	+ 1	— 11	— 2	13	22.90	
			2	21.7903	20.2680	+ 13	—1.3	—1.3	$40 \ 37 \ 1.79$	— 38.52	+ 1	— 37	— 1	11	23.01	55.9
			3	29.1410	13.2200	+163	0	+1.6	$40 \ 29 \ 39.74$	+ 6 42.93	— 9	+ 20	+13	7	22.98	55.8
			4	18.6387	24.2823	+ 73	— .8	— .2	$40 \ 38 \ 45.29$	— 2 22.87	+ 3	— 15	— 5	10	22.35	55.6
			5	27.0713 ^{iv}	10.7130 ⁱⁱ	+ 34	+ .7	+ .4	$40 \ 29 \ 27.39$	+ 6 53.66	+1.35	+ 16	+12	6	22.74	55.2
			6	10.1770 ⁱⁱ	28.9837 ^{iv}	+ 4	+ .8	— .4	$40 \ 28 \ 26.16$	+ 7 55.49	+1.33	+ 8	+13	5	23.24	
			7	26.8337 ^{iv}	12.4183 ⁱⁱ	+ 19	— .2	— .1	$40 \ 30 \ 16.77$	+ 6 4.50	+1.36	— 4	+10	6	22.75	55.0
Oct. 6	IV 1	D	8	12.0500	28.5807	+ 46	—1.5	— .6	$40 \ 43 \ 21.45$	— 6 58.05	+ 10	— 31	—12	7	23.14	
			9	22.3637	18.5620	+ 17	— .9	— .2	$40 \ 37 \ 59.39$	— 1 36.16	+ 2	— 17	— 3	11	23.16	54.4
			10	24.2937	14.6303	— 46	+ .8	+1.5	$40 \ 40 \ 27.43$	+ 4 4.20	+ 6	+ 32	+ 7	6	23.60	
			11	33.1350 ^{iv}	5.9400 ⁱⁱ	— 30	0	+ .6	$40 \ 24 \ 54.14$	+11 27.48	+1.29	+ 8	+20	6	23.25	
			12	14.2133	26.6460	+ 47	—1.1	0	$40 \ 41 \ 37.51$	— 5 14.45	+ 7	+ 18	—10	7	23.28	
			1	19.2977	17.1927	— 32	+2.9	+2.4	$40 \ 37 \ 15.15$	— 53.14	+ 1	+ 77	— 2	13	22.90	53.3
			2	17.7310	19.2710	— 20	—1.5	—1.1	$40 \ 37 \ 1.96$	— 38.88	+ 1	+ 38	— 1	11	22.81	
			3	12.5567	28.5027	+ 72	+1.7	+ .6	$40 \ 29 \ 39.94$	+ 6 43.33	— 9	+ 35	+13	7	23.73	
			4	21.8577	16.2153	— 48	— .3	— .7	$40 \ 38 \ 45.49$	— 2 22.53	+ 3	— 14	— 5	10	22.90	
			5	12.5103 ⁱⁱ	28.8947 ^{iv}	— 23	+1.3	— .9	$40 \ 29 \ 27.61$	+ 6 54.18	+1.35	+ 9	+12	6	23.41	53.3
6	29.3140 ^{iv}	10.5163 ⁱⁱ	0	+ .1	+ .2	$40 \ 28 \ 26.39$	+ 7 55.25	+1.33	+ 4	+13	5	23.19	52.1			
7	12.8693 ⁱⁱ	27.2837 ^{iv}	— 5	+1.1	— .2	$40 \ 30 \ 17.01$	+ 6 4.42	+1.36	+ 15	+10	6	23.10				
8	27.0770	10.4933	—176	+2.0	+1.1	$40 \ 43 \ 21.70$	— 6 58.83	+ 10	+ 46	—12	7	23.38				
9	17.9880	21.8317	— 3	+ .6	+ .6	$40 \ 37 \ 59.62$	— 1 37.17	+ 2	+ 17	— 3	11	22.72				
10	15.2120	24.9013	+ 4	0	+ .4	$40 \ 40 \ 27.69$	— 4 4.98	+ 6	+ 5	— 7	6	22.81	51.1			
Oct. 6	I 1	D	11	6.5387 ⁱⁱ	33.7447 ^{iv}	+ 8	— .6	+ .5	$40 \ 24 \ 54.40$	+11 27.85	+1.29	— 3	+20	6	23.77	51.0
			12	25.5140	13.0583	— 77	— .7	—2.2	$40 \ 41 \ 37.77$	— 5 14.71	+ 7	— 39	—10	7	22.71	
			1	27.2237	12.2463	— 38	—2.0	—1.9	$40 \ 42 \ 42.19$	+ 6 18.57	+ 9	— 56	—13	8	23.10	
			2	22.3747	17.8957	+ 7	— .9	— .4	$40 \ 34 \ 30.26$	+ 1 53.26	— 3	— 19	+ 4	9	23.43	
			3	27.3663	13.4797	+ 56	— .2	— .2	$40 \ 42 \ 14.47$	— 5 51.23	+ 8	— 5	—10	6	23.23	46.7
			4	18.6440	21.8163	+ 5	— .3	+1.8	$40 \ 37 \ 43.15$	— 1 20.22	+ 2	+ 17	— 3	7	23.16	
			5	16.5987	25.2990	+ 71	0	+ .1	$40 \ 32 \ 43.47$	+ 3 40.14	— 5	+ 1	+ 7	7	23.71	
			6	23.8817	16.7483	+ 26	—1.6	—1.8	$40 \ 33 \ 23.22$	+ 3 0.41	— 4	— 48	+ 5	6	23.22	
			7	27.4460	11.6737	— 60	+ 3	+1.0	$40 \ 43 \ 2.23$	— 6 38.61	+ 9	+ 17	—12	7	23.83	46.6
			8	22.8757	16.0973	— 30	— .3	0	$40 \ 33 \ 32.02$	+ 2 51.30	— 4	— 5	+ 5	6	23.34	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.		Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer			
Oct.	11	IV 1 R	18.7487	20.8370	— 5	+2.4	+1.1	40 37 15.68	— 52.78	+ 1	+ 53	— 2	13	40° 36' 23.55	51.4	
		2	21.2057	19.6507	+ 4	— .8	— 1.4	40 37 2.56	— 39.32	+ 1	— 30	— 1	11	23.05		
		3	27.2717	11.3383	— 93	— .4	— 1.4	40 29 40.66	+ 6 42.60	— 9	— 24	+12	7	23.12	51.3	
		4	17.6803	23.3550	+ 29	— .7	+1.2	40 38 46.21	— 2 23.54	+ 3	+ 5	— 5	10	22.80		
		5	27.7093 ^{iv}	11.3823 ⁱⁱ	+ 15	+ .8	+ .1	40 29 28.46	+ 6 52.82	+1.35	+ 14	+12	6	22.95	50.0	
		I 1 R	12.9483	27.9597	+ 60	+3.1	+1.4	40 43 42.55	— 6 19.67	+ 9	+ 68	—13	8	23.60	43.5	
		2	17.8587	22.2973	+ 4	+ .8	+ .5	40 34 30.55	+ 1 52.23	— 3	+ 19	+ 2	9	23.05		
		3	11.7957	25.7570	—149	— .7	+ .9	40 42 14.94	+ 5 52.60	+ 8	— 0	—10	6	22.38		
		4	23.0567	19.8817	+ 42	+ .8	+ .7	40 37 43.35	— 1 20.38	+ 2	+ 22	— 3	7	23.25	44.6	
		5	24.6593	15.9717	+ 27	—1.1	+ .7	40 32 43.61	+ 3 39.71	— 5	— 9	+ 7	7	23.32	44.8	
		6	17.0263	24.1790	+ 39	—1.5	—2.3	40 33 23.30	+ 3 0.93	— 4	— 53	+ 5	6	23.77		
		7	11.7543	27.5480	— 50	+ .4	+ .8	40 43 2.26	— 6 39.17	+ 9	+ 16	—12	7	23.29	44.4	
		8	17.0427	23.8280	+ 25	+ .2	— .8	40 33 31.94	+ 2 51.61	— 4	— 7	+ 5	6	23.55	43.4	
		9	16.8423	21.8067	— 29	+ .7	+1.2	40 38 28.22	— 2 5.44	+ 3	+ 26	— 4	7	23.10		
		10	31.0603 ^{iv}	9.2710 ⁱⁱ	+ 2	+ .6	+1.6	40 27 10.46	+ 9 10.87	+1.32	+ 32	+20	9	23.26	44.2	
Oct.	15	IV 1 D	20.9443	18.8573	0	— .4	—1.3	40 37 16.10	— 52.76	+ 1	— 23	— 2	13	23.23	46.6	
		2	18.6217	20.1937	— 8	—2.3	—2.0	40 37 3.03	— 39.72	+ 1	— 62	— 1	11	22.80		
		3	11.8283	27.7453	— 30	+ .4	+ .1	40 29 41.21	+ 6 42.34	— 9	+ 7	+12	7	23.72	46.2	
		4	22.1020	16.3783	— 39	.0	.0	40 38 46.76	— 2 24.61	+ 3	0	— 5	10	22.23		
		5	11.6343 ⁱⁱ	27.9550 ^{iv}	+ 7	0	— .2	40 29 29.09	+ 6 52.64	+1.35	— 2	+12	6	23.24		
		6	29.2757 ^{iv}	10.5260 ⁱⁱ	+ 1	—1.2	— .6	40 28 27.97	+ 7 54.04	+1.33	— 27	+13	5	23.25	45.8	
		7	13.4077 ⁱⁱ	27.7573 ^{iv}	— 31	+1.0	+ .5	40 30 18.64	+ 6 2.71	+1.36	+ 22	+10	6	23.09	45.6	
		9	16.8700	20.7623	— 40	— .1	— .4	40 38 1.15	+ 1 38.31	+ 2	— 6	+ 3	11	22.88	45.4	
		10	15.0147	24.7497	— 10	—2.1	— .4	40 40 29.52	— 4 6.10	+ 6	— 39	— 7	6	23.08	45.2	
		11	6.8567 ⁱⁱ	33.9840 ^{iv}	+ 26	— .2	—1.0	40 24 56.22	+11 25.91	+1.29	— 15	+20	6	23.53		
Oct.	16	IV 1 R	25.3320	12.7780	—105	+ .4	.0	40 41 39.61	— 5 17.13	+ 7	+ 5	—10	7	22.57	45.1	
		2	18.3093	20.4517	— 11	+3.8	+3.3	40 37 16.24	— 54.14	+ 1	+1.03	— 2	13	23.25	53.3	
		3	19.6683	18.0703	— 15	+ .2	— .4	40 37 3.18	— 40.36	+ 1	— 2	— 1	11	22.91		
		2	28.2763	12.4290	+ 49	+1.8	+ .8	40 29 41.37	+ 6 40.78	— 9	+ 39	+12	7	22.64	53.1	
		4	17.1200	22.8723	0	+1.3	+1.4	40 38 46.92	— 2 25.43	+ 3	+ 39	— 5	10	21.96		
		5	26.1423 ^{iv}	9.8870 ⁱⁱ	+ 63	+1.5	+2.4	40 29 29.28	+ 6 51.13	+1.35	+ 54	+12	6	22.48		
		6	10.4490 ⁱⁱ	29.1777 ^{iv}	— 1	+1.4	.0	40 28 28.17	+ 7 53.50	+1.33	+ 22	+13	5	23.40	51.9	
		7	27.5913 ^{iv}	13.2743 ⁱⁱ	— 22	+1.2	+2.1	40 30 18.84	+ 6 1.91	+1.36	+ 46	+10	6	22.73		
		8	12.1680	28.8187	+ 72	+2.0	+2.6	40 43 23.55	— 7 1.15	+ 10	+ 65	—12	7	23.10		
		9	23.6167	19.7310	+ 57	+2.3	+1.4	40 38 1.34	— 1 38.38	+ 2	+ 54	— 3	11	23.60	54.5	
		10	24.2357	14.4447	— 56	+2.0	+ .8	40 40 29.74	— 4 7.40	+ 6	+ 42	— 7	6	22.81	54.1	
		11	33.1823 ^{iv}	6.0707 ⁱⁱ	— 23	— .4	— .6	40 24 56.44	+11 25.39	+1.29	— 14	+20	6	23.24		
		12	13.6500	26.1623	— 9	—1.6	— .8	40 41 39.83	— 5 16.32	+ 7	— 36	—10	7	23.19	54.4	
		I 2 D	21.8697	17.4440	— 23	— .0	— .1	40 34 30.58	+ 1 51.83	— 3	— 1	+ 4	9	22.50	51.1	
		3	26.6533	12.7570	— 36	+1.4	+ .8	40 42 14.95	— 5 51.74	+ 8	+ 32	—10	6	23.57		
		4	17.6877	20.8747	— 19	+1.5	+ .5	40 37 43.29	— 1 20.53	+ 2	+ 30	— 3	7	23.12	50.6	
		5	15.3330	24.0327	— 26	+ .5	.0	40 32 43.49	+ 3 39.88	— 5	+ 8	+ 7	7	23.54		
		6	24.2603	17.1313	+ 45	— .7	— .4	40 33 23.12	+ 3 0.35	— 4	— 16	+ 5	6	23.38		
		7	27.3163	11.5537	— 80	— .2	+ .1	40 43 2.04	— 6 38.31	+ 9	— 1	—12	7	23.76	50.7	
		8	23.7380	16.9630	+ 23	—1.4	— .2	40 33 31.57	+ 2 51.35	— 4	— 25	+ 5	6	22.74	50.1	
		9	21.9943	17.0833	— 20	—2.1	—1.9	40 38 27.84	— 2 4.11	+ 3	— 58	— 4	7	23.21		
Oct.	17	IV 1 D	7.3300 ⁱⁱ	29.1480 ^{iv}	— 28	+ .4	— .1	40 27 10.04	+ 9 11.54	+1.32	+ 5	+20	9	23.24	50.4	
		2	19.2540	17.1227	— 34	+1.4	— .2	40 37 16.38	— 53.80	+ 1	+ 20	— 2	13	22.90	55.4	
		3	18.2107	19.8133	— 13	— .5	+ .7	40 37 3.33	— 40.48	+ 1	+ 1	— 1	11	22.97	55.3	
		4	10.6277	26.5067	—199	+1.5	+ .2	40 29 41.55	+ 6 40.95	— 9	+ 26	+12	7	22.86	53.6	
		5	22.1593	16.4277	— 38	— .4	+ .5	40 38 47.10	— 2 24.81	+ 3	0	— 5	10	22.37		
		6	10.5430 ⁱⁱ	26.8603 ^{iv}	+ 42	+ .2	+ .2	40 29 29.47	+ 6 52.65	+1.35	+ 5	+12	6	23.70		
		7	29.7867 ^{iv}	11.1103 ⁱⁱ	— 1	+2.4	+3.8	40 28 28.38	+ 7 52.18	+1.33	+ 87	+13	5	22.94	53.6	
		8	13.3403 ⁱⁱ	27.6610 ^{iv}	— 25	+ .7	.0	40 30 19.05	+ 6 2.00	+1.36	+ 11	+10	6	22.68		
		9	26.9083	10.2633	—207	+1.6	—1.1	40 43 23.77	— 7 0.30	+ 10	+ 12	—12	7	23.64		

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
Oct. 17	IV 9	D	17.2040	21.0947	-31	+ .7	- .3	40 38 1.54	- 1 38.29	+ 2	+ 7	- 3	11	40 36 23.42	53.4
	10		14.4263	24.1910	-59	+2.3	+1.4	40 40 29.97	- 4 6.72	+ 6	- 54	- 7	6	22.76	
	11		6.3003 ⁱⁱ	33.4243 ^{iv}	- 9	- .8	- .8	40 24 56.67	+11 25.73	+1.29	- 23	+20	6	23.72	52.9
	I 1	R	11.9907	26.9923	-66	+1.1	-1.3	40 42 42.66	- 6 19.11	+ 9	+ 1	-13	8	23.60	48.2
	2		18.5347	23.0023	+ 29	-2.5	-2.3	40 34 30.59	+ 1 53.03	- 3	- 70	+ 4	9	23.02	
	3		13.5210	27.4170	+ 57	- .9	-1.1	40 42 14.95	- 5 51.47	+ 8	- 28	-10	6	23.24	
	4		24.4190	21.2703	+ 80	+ .4	- .4	40 37 43.28	+ 1 19.81	+ 2	+ 1	- 3	7	23.54	48.8
	5		25.1053	16.3907	+ 56	-2.3	-1.6	40 32 43.47	+ 3 40.47	- 5	- 57	+ 7	7	23.46	
	6		16.9923	24.1380	+ 37	-1.4	-1.8	40 33 23.08	+ 3 0.75	- 4	- 45	+ 5	6	23.45	
	7		12.4377	28.1867	+ 42	-1.9	-1.7	40 43 1.99	- 6 38.28	+ 9	- 52	-12	7	23.23	
	8		17.1107	23.9413	+ 32	-2.1	-2.4	40 33 31.50	+ 2 52.77	- 4	- 64	+ 5	6	23.70	48.0
	9		18.9133	23.8220	+ 60	-2.1	- .4	40 38 27.75	- 2 4.25	+ 3	- 39	- 4	7	23.17	
Oct. 18	IV 10		32.1443 ^{iv}	10.5427 ⁱⁱ	+ 18	.0	+ .4	40 27 9.94	+ 9 11.24	+1.32	+ 5	+20	9	22.84	48.3
	I 1	R	19.8810	21.9920	+ 17	.0	- .8	40 37 16.52	- 53.41	+ 1	- 10	- 2	13	23.13	50.8
	2		21.1630	19.5920	+ 3	-2.1	-2.6	40 37 3.49	- 39.73	+ 1	- 67	- 1	11	23.20	
	3		26.7913	10.8870	-160	-2.8	- .8	40 29 41.72	+ 6 41.69	- 9	- 55	+12	7	22.96	51.4
	4		17.5680	23.3100	+ 22	- .3	+1.2	40 38 47.28	- 2 25.23	+ 3	+ 10	- 5	10	22.23	
	5		27.5030 ^{iv}	11.2120 ⁱⁱ	+ 23	-1.7	-1.1	40 29 29.67	+ 6 51.93	+1.35	- 41	+12	6	22.72	
	6		10.6953 ⁱⁱ	29.4077 ^{iv}	- 1	+1.3	+1.2	40 28 28.59	+ 7 53.09	+1.33	+ 36	+13	5	23.55	50.2
	7		26.8287 ^{iv}	12.5067 ⁱⁱ	+ 18	- .9	-1.0	40 30 19.27	+ 6 2.14	+1.36	- 27	+10	6	22.66	50.5
	8		10.4610	27.1247	-180	- .4	+ .9	40 43 23.98	- 7 0.84	+ 10	+ 5	-12	7	23.24	
	9		19.8950	15.9607	- 70	+ .8	+ .3	40 38 1.75	- 1 39.29	+ 2	+ 17	- 3	11	22.73	
	10		24.3547	14.5537	- 46	+1.6	+ .2	40 40 30.22	- 4 7.68	+ 6	+ 28	- 7	6	22.87	49.4
	11		33.4680 ^{iv}	6.3570 ⁱⁱ	- 6	-1.3	.0	40 24 56.91	+11 25.41	+1.29	- 21	+20	6	23.66	
	12		13.6657	26.2483	- 5	+1.0	+ .4	40 41 40.30	- 5 18.10	+ 7	+ 21	-10	7	22.45	49.6
	I 1	D	26.6807	11.6723	-109	-1.9	- .9	40 42 42.73	- 6 19.17	+ 9	- 41	-13	8	23.19	42.7
	2		21.8540	17.4067	- 15	- .2	- .6	40 34 30.61	+ 1 52.40	- 3	- 10	+ 4	9	23.01	
	3		27.0443	13.1403	+ 11	-1.1	- .8	40 42 14.97	- 5 51.55	+ 8	- 28	-10	6	23.18	
	4		17.9960	21.1720	- 12	- .6	- .8	40 37 43.29	- 1 20.27	+ 2	- 19	- 3	7	22.89	44.1
	5		15.6197	24.3363	- 4	+ .1	- .3	40 32 43.45	+ 3 40.37	- 5	- 2	+ 7	7	23.89	
	6		23.8380	16.6900	+ 15	-1.6	- .4	40 33 23.06	+ 3 0.76	- 4	- 31	+ 5	6	23.58	
	7		27.2640	11.4847	- 90	+ .8	- .3	40 43 1.96	- 6 38.71	+ 9	+ 9	-12	7	23.38	43.6
	8		23.5877	16.7897	+ 11	- .9	- .5	40 33 31.43	+ 2 51.90	- 4	- 21	+ 5	6	23.19	43.5
	9		22.9700	18.0207	+ 22	+1.3	+1.4	40 38 27.67	- 2 5.19	+ 3	+ 38	- 4	7	22.92	
	10		9.3767 ⁱⁱ	31.2183 ^{iv}	+ 2	+ .5	+ .6	40 27 9.86	+ 9 12.21	+1.32	+ 15	+20	9	23.83	43.7
Oct. 19	IV 1	D	19.8913	17.7620	- 22	+ .7	+ .6	40 37 16.66	- 53.78	+ 1	+ 19	- 2	13	23.19	54.0
	2		19.0630	20.6893	- 1	+ .3	+ .9	40 37 3.63	- 41.11	+ 1	+ 16	- 1	11	22.79	
	3		11.7173	27.6123	- 46	-1.0	-1.7	40 29 41.89	+ 6 41.75	- 9	- 37	+12	7	23.37	53.7
	4		21.8233	16.0950	- 53	-1.1	- .7	40 38 47.45	- 2 24.69	+ 3	- 27	- 5	10	22.57	
	5		10.5080 ⁱⁱ	26.7997 ^{iv}	+ 44	- .3	- .7	40 29 29.86	+ 6 52.00	+1.35	- 14	+12	6	23.25	
	6		29.4677 ^{iv}	10.7460 ⁱⁱ	- 1	-2.6	-2.6	40 28 28.79	+ 7 53.33	+1.33	- 75	+13	5	22.88	
	7		13.0933 ⁱⁱ	27.4057 ^{iv}	- 12	+2.3	+ .7	40 30 19.48	+ 6 1.82	+1.36	+ 46	+10	6	23.28	53.6
	8		26.9190	10.2547	-206	+1.7	+1.2	40 43 24.21	- 7 0.79	+ 10	+ 42	-12	7	23.89	
	9		18.2210	22.1420	+ 6	- .1	+ .7	40 38 1.96	- 1 39.15	+ 2	+ 7	- 3	11	22.98	
	10		15.2093	24.9830	+ 7	- .6	+ .9	40 40 30.46	- 4 7.12	+ 6	+ 2	- 7	6	23.41	52.7
	11		6.0197 ⁱⁱ	33.1290 ^{iv}	- 28	-1.2	-1.3	40 24 57.14	+11 25.31	+1.29	- 36	+20	6	23.64	51.8
	12		24.8200	12.2390	-163	- .3	+1.0	40 41 40.54	- 5 17.66	+ 7	- 8	-10	7	22.84	
	I 1	D	13.6887	28.6860	+155	- .2	-1.8	40 42 42.79	- 6 19.56	+ 9	- 25	-13	8	23.02	47.3
	2		18.3917	22.8293	+ 23	-2.4	.0	40 34 30.65	+ 1 52.25	- 3	- 39	+ 4	9	22.61	
	3		12.5917	26.5497	- 52	+1.6	+2.3	40 42 15.01	- 5 52.76	+ 8	+ 55	-10	6	22.84	
	4		22.4857	19.3277	+ 26	+1.1	- .3	40 37 43.31	- 1 19.91	+ 2	+ 14	- 3	7	23.60	47.2
	5		24.4410	15.7737	+ 8	- .2	+1.9	40 32 43.46	+ 3 39.15	- 5	+ 21	+ 7	7	22.91	*
	6		17.0693	24.2067	+ 41	.0	- .2	40 33 23.06	+ 3 0.55	- 4	- 3	+ 5	6	23.65	
	7		12.4567	28.2480	+ 48	+ .6	+ .7	40 43 1.94	- 6 39.36	+ 9	+ 18	-12	7	22.80	
	8		17.0087	23.8250	+ 26	+ .5	+ .5	40 33 31.38	+ 2 52.40	- 4	+ 14	+ 5	6	23.99	46.3

* Fog.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Oct. 19	I 9	D	18.4800	23.4253	+ 43	— .1	+ .7	40 38 37.61	— 2 5.14	+ 3	+ 2	— 4	7	40 36 22.55	○
Oct. 20	IV 1	R	32.2237 ^{iv}	10.3930 ⁱⁱ	+ 19	— .2	+ .1	40 27 9.79	+ 9 11.98	+ 1.32	— 1	+ 20	9	23.37	46.5
	2		18.4223	20.5670	— 10	+ 3.0	+ 2.8	40 37 16.78	— 54.20	+ 1	+ 84	— 2	13	23.54	56.6
	3		21.4203	19.8217	+ 7	— 1.4	— 1.9	40 37 3.76	— 40.44	+ 1	— 46	— 1	11	22.97	57.2
	4		27.7563	11.9123	— 24	+ .3	+ 2.2	40 29 42.04	+ 6 40.51	— 9	+ 32	+ 12	7	22.97	
	5		16.0137	21.7887	— 56	+ 2.2	+ 2.4	40 38 47.61	— 2 25.86	+ 3	+ 65	— 5	10	22.48	56.6
	6		27.5390 ^{iv}	11.2890 ⁱⁱ	+ 22	+ 1.3	+ 2.2	40 29 30.04	+ 6 50.89	+ 1.35	+ 48	+ 12	6	22.94	
	7		10.7277 ⁱⁱ	29.4270 ^{iv}	— 1	+ .9	— .1	40 28 28.99	+ 7 52.76	+ 1.33	+ 11	+ 13	5	23.37	56.1
	8		26.7537 ^{iv}	12.4283 ⁱⁱ	+ 22	— 1.8	— 1.6	40 30 19.68	+ 6 2.23	+ 1.36	— 49	+ 10	6	22.94	
	9		11.3417	28.0290	— 47	— .1	+ .2	40 43 24.41	— 7 1.77	+ 10	+ 1	— 12	7	22.70	
	10		19.7777	15.8630	— 75	— .2	— 1.9	40 38 2.16	— 1 38.78	+ 2	— 27	— 3	11	23.21	
	11		23.8960	14.0927	— 85	+ .4	— .2	40 40 30.68	— 4 7.63	+ 6	+ 4	— 7	6	23.14	55.3
	12		33.5497 ^{iv}	6.4677 ⁱⁱ	0	— 1.5	— 1.2	40 24 57.38	+ 11 24.70	+ 1.29	— 39	+ 20	6	23.24	
Oct. 27	IV 1	D	12.7207	25.2953	— 110	— 1.6	— 1.3	40 41 40.78	— 5 17.64	+ 7	— 42	— 10	7	22.76	55.6
	2		20.8133	18.6567	— 6	+ 1.8	+ .9	40 37 17.20	— 54.51	+ 1	+ 40	— 2	13	23.21	52.8
	3		18.4993	20.1363	— 10	— 1.4	.0	40 37 4.27	— 41.36	+ 1	— 22	— 1	11	22.80	
	4		12.0243	27.8617	— 8	+ 1.1	+ 1.4	40 29 42.68	+ 6 40.39	— 9	+ 35	+ 12	7	23.52	52.8
	5		21.0107	15.2290	— 96	+ .4	— .2	40 38 48.29	— 2 25.93	+ 3	+ 4	— 5	10	22.48	
	6		11.9883 ⁱⁱ	28.2360 ^{iv}	— 3	.0	.0	40 29 30.85	+ 6 50.77	+ 1.35	0	+ 12	6	23.15	
	7		29.5917 ^{iv}	10.9040 ⁱⁱ	— 2	— 3.6	— 2.7	40 28 29.90	+ 7 52.46	+ 1.33	— 92	+ 13	6	22.96	51.8
	8		28.2873	11.6147	— 8	— 1.5	+ .6	40 43 25.41	— 7 1.50	+ 10	— 16	— 12	7	23.80	
	9		17.4873	21.4603	— 19	+ .7	+ .7	40 38 3.13	— 1 40.40	+ 2	+ 20	— 3	11	23.03	
	10		14.9583	24.7967	— 8	— 1.1	— .6	40 40 31.86	— 4 8.72	+ 6	— 25	— 7	6	22.94	51.0
	11		6.0717 ⁱⁱ	33.1213 ^{iv}	— 25	+ .2	— .4	40 24 58.57	+ 11 23.81	+ 1.29	— 2	+ 20	6	23.91	
	12		26.7823	14.1640	+ 51	+ 1.0	.0	40 41 42.00	— 5 19.15	+ 7	+ 16	— 10	7	23.05	51.1
	I 1	D	26.7590	11.7193	— 101	— 1.7	— 1.7	40 42 43.38	— 6 19.98	+ 9	— 49	— 13	8	22.95	46.5
	2		21.7590	17.3460	— 18	— .9	— .1	40 34 31.13	+ 1 51.53	— 3	— 16	+ 4	9	22.60	
	3		26.8663	12.9467	— 10	+ .8	— .8	40 42 15.47	— 5 51.89	+ 8	+ 3	— 10	6	23.65	
	4		17.8587	21.0327	— 16	— 1.6	— 1.5	40 37 43.66	— 1 20.21	+ 2	— 45	— 3	7	23.06	47.4
	5		14.8180	23.5267	— 63	— .6	— 1.7	40 32 43.71	+ 3 40.02	— 5	— 31	+ 7	7	23.51	47.4
	6		23.6177	16.5017	+ 3	+ .6	+ 1.7	40 33 23.22	+ 2 59.92	— 4	+ 31	+ 5	6	23.52	
	7		27.1893	11.4120	— 99	+ .1	.0	40 43 2.02	— 6 33.64	+ 9	+ 1	— 12	7	23.43	47.3
	8		24.0040	17.1900	— 25	— 1.6	— .6	40 33 31.26	+ 2 52.36	— 4	— 33	+ 5	6	23.36	
	9		22.5163	17.5960	+ 2	— .6	— 1.0	40 38 27.41	— 2 4.40	+ 3	— 22	— 4	7	22.85	
	10		8.9433 ⁱⁱ	30.7880 ^{iv}	— 1	+ .8	.0	40 27 9.51	+ 9 12.28	+ 1.32	+ 13	+ 20	9	23.53	47.5
Oct. 31	I 1	R	12.1630	27.1953	— 44	+ .4	— 1.9	40 42 43.50	— 6 19.94	+ 9	— 17	— 13	8	23.43	44.4
	2		18.1217	22.5790	+ 14	— 3.4	— 2.7	40 34 31.16	+ 1 52.73	— 3	— 89	+ 4	9	23.10	
	3		13.4477	27.3847	+ 51	— .3	— .2	40 42 15.53	— 5 52.49	+ 8	— 7	— 10	6	23.01	43.8
	4		23.2383	20.0747	+ 46	— .3	.0	40 37 43.66	— 1 20.10	+ 2	— 5	— 3	7	23.57	
	I 5		24.3633	15.6510	+ 2	— 2.1	— 1.1	40 32 43.66	+ 3 40.27	— 5	— 48	+ 7	7	23.54	
	6		17.0517	24.1627	+ 39	.0	.0	40 33 23.13	+ 2 59.88	— 4	— 0	+ 5	6	23.08	
	7		12.6243	28.3680	+ 69	— 1.1	+ .2	40 43 1.88	— 6 38.21	+ 9	— 15	— 12	7	23.56	44.4
	8		16.5780	23.4040	0	— .3	+ .5	40 33 31.02	+ 2 52.58	— 4	+ 1	+ 5	6	23.68	44.0
	9		18.3483	23.3003	+ 35	+ 1.1	+ 2.9	40 38 27.14	— 2 5.29	+ 3	+ 54	— 4	7	22.45	
	10		30.9620 ^{iv}	9.1067 ⁱⁱ	0	— 1.9	— .6	40 27 9.20	+ 9 12.55	+ 1.32	— 38	+ 20	9	22.98	44.3
Nov 1	IV 1	R	19.0290	21.2077	+ 1	+ .5	+ 1.4	40 37 17.61	— 55.08	+ 1	+ 26	— 2	13	22.91	54.7
	2		20.3817	18.7350	— 6	— 2.3	— 2.6	40 37 4.73	— 41.62	+ 1	— 70	— 1	11	22.52	
	3		29.2307	13.4530	+ 184	+ .8	+ 2.3	40 29 43.22	+ 6 39.36	— 9	+ 40	+ 12	7	23.08	53.8
	4		17.1203	22.9390	+ 0	+ 2.8	+ 2.2	40 38 48.86	— 2 27.11	+ 3	+ 77	— 5	10	22.60	
	5		28.2977 ^{iv}	12.1013 ⁱⁱ	— 6	+ 1.2	+ 1.4	40 29 31.49	+ 6 49.47	+ 1.35	+ 37	+ 12	6	22.86	
	6		11.0293 ⁱⁱ	29.6723 ^{iv}	— 3	— .4	— 1.0	40 28 30.60	+ 7 51.33	+ 1.33	— 19	+ 13	5	23.25	52.4
	7		26.8330 ^{iv}	12.5660 ⁱⁱ	+ 16	— 3.3	— 1.2	40 30 21.38	+ 6 0.74	+ 1.36	— 68	+ 10	6	22.96	
	8		12.3820	29.0883	+ 106	— 1.3	+ .2	40 43 26.17	— 72.64	+ 10	— 18	— 12	7	23.40	
	9		22.4807	18.4973	+ 18	— .2	— .8	40 38 3.88	— 1 40.76	+ 2	— 13	— 3	11	23.09	
	10		24.6260	14.7630	— 25	— .4	— .4	40 40 32.72	— 4 9.30	+ 6	— 11	— 7	6	23.36	50.0

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Nov 1	IV 11	R	33.6240 ^{iv}	6.6430 ⁱⁱ	+ 7	— .5	+ .6	40 24 59.44	+11 22.16	+1.29	0	+20	6	40 36 23.15	49.6
	12		13.7977	26.4350	— 14	—1.6	—1.8	40 41 42.89	— 5 19.54	+ 7	— 48	—10	7	22.91	
	I 1	R	26.4270	11.8890	—144	— .5	— .1	40 42 43.56	— 6 19.83	+ 9	— 9	—13	8	23.68	43.1
	2		22.5570	18.1473	— 14	— .1	+ .4	40 34 31.23	+ 1 51.52	— 3	+ 3	+ 4	9	23.88	
	3		27.8083	13.8803	+103	+2.3	+ .3	40 42 15.57	— 5 52.39	+ 8	+ 41	—10	6	23.63	
	4		18.7597	21.9597	+ 11	+2.0	+2.0	40 37 43.68	— 1 20.93	+ 2	+ 58	— 3	7	23.39	44.4
	5		16.1647	24.8447	+ 38	+1.8	+1.9	40 32 43.63	+ 3 39.55	— 5	+ 53	+ 7	7	23.80	
	6		23.4480	16.3163	— 8	—1.2	— .2	40 33 23.13	+ 3 0.29	— 4	— 22	+ 5	6	23.27	
	7		27.1667	11.3977	—101	+ .6	+ .4	40 43 1.87	— 6 38.42	+ 9	+ 14	—12	7	23.63	
	8		23.6860	16.8810	+ 18	+ .5	+1.5	40 33 30.98	+ 2 52.09	— 4	+ 27	+ 5	6	23.41	43.6
Nov 2	9		22.2313	17.3107	— 11	— .2	— .2	40 38 27.10	— 2 4.38	+ 3	— 5	— 4	7	22.73	
	10		9.3563 ⁱⁱ	31.2167 ^{iv}	+ 3	— .2	— .5	40 27 9.14	+ 9 12.69	+1.32	— 9	+20	9	23.35	43.6
	IV 1	D	20.7663	18.5827	— 6	0	+ .7	40 37 17.68	— 55.19	+ 1	+ 9	— 2	13	22.70	56.1
	2		18.9853	20.6827	— 1	+1.2	+2.2	40 37 4.81	— 42.91	+ 1	+ 47	— 1	11	22.48	56.7
	3		11.6980	27.5053	— 56	+ .4	0	40 29 43.31	+ 6 39.50	— 9	+ 6	+12	7	22.97	
Nov 3	4		22.5277	16.7140	— 21	+1.7	+ .1	40 38 48.96	— 2 26.93	+ 3	+ 29	— 5	10	22.40	
	5		11.0477 ⁱⁱ	27.2483 ^{iv}	+ 42	+ .2	— .1	40 29 31.60	+ 6 49.69	+1.35	+ 1	+12	6	22.83	56.4
	6		29.4847 ^{iv}	10.8627 ⁱⁱ	— 2	—1.5	+ .3	40 28 30.73	+ 7 50.80	+1.33	— 20	+13	5	22.84	55.9
	I 1	R	12.3027 ⁱⁱ	36.5163 ^{iv}	+ 32	+1.9	— .1	40 30 21.51	+ 5 59.43	+1.36	+ 29	+10	6	22.75	54.5
	2		13.7553	28.7800	+176	+ .2	— .6	40 42 43.73	— 6 20.30	+ 9	— 4	—13	8	23.43	46.2
	3		17.2840	21.7120	— 20	— .9	— .4	40 34 31.37	+ 1 51.90	— 3	— 19	+ 4	9	23.18	
Nov 4	4		13.3600	27.3223	+ 42	+1.0	+1.7	40 42 15.71	— 5 53.11	+ 8	+ 37	—10	6	23.01	
	5		22.5883	19.4120	+ 28	— .4	+ .1	40 37 43.79	+ 1 20.37	+ 2	— 5	— 3	7	23.43	46.7
	6		24.5887	15.9013	+ 19	—1.0	— .1	40 32 43.74	+ 3 39.69	— 5	+ 17	+ 7	7	23.35	
	7		15.7460	23.8783	— 13	— .8	—1.0	40 33 23.19	+ 3 0.29	— 4	— 25	+ 5	6	23.30	
	8		12.0590	27.8020	— 10	—2.1	+1.2	40 43 1.90	— 6 37.99	+ 9	— 19	—12	7	23.76	46.5
	9		17.2560	24.0753	+ 40	0	— .9	40 33 30.95	+ 2 52.51	— 4	— 11	+ 5	6	23.42	46.2
	10		17.6777	22.5763	+ 7	—1.0	—1.1	40 38 27.06	— 2 3.87	+ 3	— 30	— 4	7	22.95	
	IV 1	R	32.5880 ^{iv}	10.7517 ⁱⁱ	+ 27	+ .6	+1.6	40 27 9.08	+ 9 12.14	+1.32	+ 29	+20	9	23.12	46.3
	2		20.4897	22.6463	+ 29	+1.7	—1.2	40 37 17.77	— 54.60	+ 1	+ 15	— 2	13	23.44	46.9
	3		21.3930	19.7500	+ 7	— .9	—1.2	40 37 4.91	— 41.56	+ 1	— 29	— 1	11	23.17	
	4		26.7297	10.9213	—164	— .2	+ .3	40 29 43.45	+ 6 39.26	— 9	+ 1	+12	7	22.82	
	5		16.4310	22.2503	— 35	— .3	— .1	40 38 49.12	— 2 27.04	+ 3	— 6	— 5	10	22.10	48.2
Nov 6	6		28.0560 ^{iv}	11.8433 ⁱⁱ	+ 1	— .4	— .2	40 29 31.79	+ 6 49.90	+1.30	— 9	+12	6	23.08	
	7		10.9720 ⁱⁱ	29.5777 ^{iv}	— 2	+2.2	+1.3	40 28 30.95	+ 7 50.39	+1.28	+ 52	+13	5	23.32	47.4
	8		28.1050 ^{iv}	13.8593 ⁱⁱ	— 53	—1.0	— .6	40 30 21.75	+ 6 0.03	+1.31	— 23	+10	6	23.02	
	9		12.2130	28.9467	+ 84	— .5	+1.0	40 43 26.58	— 7 3.28	+ 10	+ 4	—13	7	23.38	
	10		21.4627	17.4790	— 19	+ .3	—1.2	40 38 4.29	— 1 40.67	+ 2	— 10	— 4	11	23.61	
	11		24.7540	14.8657	— 16	+ .9	+ .4	40 40 33.20	— 4 9.96	+ 6	+ 19	— 7	6	23.48	46.5
	12		33.6510 ^{iv}	6.6647 ⁱⁱ	+ 10	—1.4	— .6	40 24 59.94	+11.22.30	+1.24	— 30	+20	6	23.44	47.0
	I 1	D	14.3747	27.0507	— 0	— .4	—1.2	40 41 43.41	— 5 20.68	+ 7	— 21	—10	7	22.56	
	2		27.2397	12.1557	— 45	+ .3	+ .3	40 42 44.05	— 6 21.24	+ 9	+ 9	—13	8	22.94	33.4
	3		21.7817	17.3487	— 17	—3.0	—1.3	40 34 31.65	+ 1 52.03	— 3	— 65	+ 4	9	23.13	
	4		27.7473	13.8110	+ 95	— .6	—1.7	40 42 15.98	— 5 52.58	+ 8	— 31	—10	6	23.13	33.1
	5		17.6000	20.8080	— 23	—1.6	— .2	40 37 44.03	— 1 21.05	+ 2	— 28	— 3	7	22.76	
Nov 10	6		15.0730	23.7437	— 44	+1.7	+1.4	40 33 43.95	+ 3 39.10	— 5	+ 45	+ 7	7	23.59	33.1
	7		23.6417	16.5170	+ 5	— .8	— .1	40 33 23.37	+ 3 0.14	— 4	— 14	+ 5	6	23.44	
	I 1	R	13.0773	28.1760	+ 84	+2.9	+2.7	40 42 44.32	— 6 21.94	+ 9	+ 81	—13	8	23.23	34.3
	2		18.3190	22.7087	+ 19	+1.4	+1.0	40 34 31.87	+ 1 51.03	— 3	+ 35	+ 4	9	23.35	
	3		13.6187	27.5907	+ 74	+ .8	0	40 42 16.22	— 5 53.43	+ 8	+ 13	—10	6	22.96	
	4		21.5343	18.3627	— 3	—1.4	—2.1	40 37 44.18	— 1 20.18	+ 2	— 49	— 3	7	23.57	
	5		25.0777	16.4047	+ 55	—3.2	—1.1	40 32 44.09	+ 3 39.41	— 5	— 65	+ 7	7	22.94	33.9
	6		15.3047	22.4057	— 71	+1.7	+2.4	40 33 23.48	+ 2 59.35	— 4	+ 57	+ 5	6	23.47	33.5
	7		27.8480	12.0893	— 4	— .1	— .4	40 43 2.12	— 6 38.41	+ 9	— 6	—12	7	23.69	
	8		23.3020	16.5067	— 7	— .1	0	40 33 31.03	+ 2 51.78	— 4	— 1	+ 5	6	22.87	33.4

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Nov 10	I 9	R	22.3240	17.4157	— 6	.0	+ .2	40 38 27.06	— 2 4.08	+ 3	+ 2	— 4	7	23.06	○
Nov 10			9.2200 ⁱⁱ	31.0860 ^{iv}	+ 1	— .2	— 1.2	40 27 9.00	+ 9 12.83	+ 1.27	— 18	+ 20	9	23.21	33.5
Nov 11	IV 1	D	21.2637	19.1007	+ 7	+ .1	— .1	40 37 17.77	— 54.70	+ 1	0	— 2	13	23.19	35.8
	2		15.9110	17.5543	— 43	— 2.7	— 2.4	40 37 4.98	— 41.44	+ 1	— 73	— 1	11	22.92	
	3		11.6877	27.4987	— 56	+ .5	— .8	40 29 43.60	+ 6 39.60	— 9	— 2	+ 12	7	23.28	35.1
	4		22.7637	16.9783	— 5	— 1.2	— .8	40 38 49.36	— 2 26.26	+ 3	— 29	— 5	10	22.89	
	5		12.5017 ⁱⁱ	28.7147 ^{iv}	— 20	— .7	— 1.3	40 29 32.10	+ 6 49.85	+ 1.23	— 28	+ 12	6	23.08	35.0
	6		29.7333 ^{iv}	11.1130 ⁱⁱ	— 4	— 2.2	— .8	40 28 31.36	+ 7 50.75	+ 1.21	— 45	+ 13	5	23.05	
	7		13.6917 ⁱⁱ	27.9223 ^{iv}	— 42	— 1.1	— 1.4	40 30 22.21	+ 5 59.68	+ 1.24	— 35	+ 10	6	22.94	
	8		29.9003	13.1797	+ 224	— .6	— 1.5	40 43 27.10	— 7 3.30	+ 10	— 28	— 13	7	23.56	34.7
	9		17.5693	21.5833	— 16	— 1.8	— 1.5	40 38 4.86	— 1 41.44	+ 2	— 48	— 4	11	23.03	
	10		15.4727	25.3803	+ 37	— 1.1	— 1.1	40 40 33.90	— 4 10.58	+ 6	— 3	— 7	6	23.34	34.9
	11		6.9240 ⁱⁱ	33.8763 ^{iv}	+ 24	+ .2	— 1.4	40 25 0.68	+ 11 21.48	+ 1.17	— 14	+ 20	6	23.45	
	12		25.7833	13.0737	— 61	— .7	— 1.3	40 41 44.19	— 5 21.17	+ 7	— 28	— 10	7	22.78	34.3
	I 1	D	27.0730	12.0007	— 61	+ .5	+ .2	40 42 44.35	— 6 20.91	+ 9	+ 10	— 13	8	23.58	30.6
	2		20.9597	16.5427	— 50	— 2.2	— .5	40 34 31.89	+ 1 51.55	— 3	— 42	+ 4	9	23.12	
	3		28.4080	14.4707	+ 176	+ .6	— .3	40 42 16.24	— 5 52.81	+ 8	+ 5	— 10	6	23.52	
	4		18.2120	21.4083	— 6	+ .3	+ 1	40 37 44.22	— 1 20.79	+ 2	+ 6	— 3	7	23.55	
	5		15.2613	23.9523	— 29	+ 1.5	— .1	40 32 44.09	+ 3 39.66	— 5	+ 22	+ 7	7	24.06	30.6
	6		23.6273	16.5150	+ 3	+ .9	+ 1.4	40 33 23.48	+ 2 59.82	— 4	+ 3	+ 5	6	23.40	
	7		27.0883	11.3237	— 109	— .6	— 2.2	40 43 2.11	— 6 38.29	+ 9	— 37	— 12	7	23.49	
	8		16.8030	23.6363	+ 15	— .6	— .8	40 33 30.99	+ 2 52.80	— 4	— 20	+ 5	6	23.66	30.0
	9		18.7017	23.5843	+ 50	— 1.8	— .9	40 38 27.01	— 2 3.57	+ 3	— 40	— 4	7	23.10	30.4
Nov 12	10		31.4850 ^{iv}	9.6107 ⁱⁱ	+ 7	— 1.7	— 1.4	40 27 8.95	+ 9 13.05	+ 1.20	— 45	+ 20	9	23.04	30.4
	IV 1	R	20.0510	22.2133	+ 21	— .2	— .2	40 37 17.81	— 54.72	+ 1	— 5	— 2	13	23.16	31.3
	2		21.1980	19.5147	+ 3	+ 1.3	+ 1.8	40 37 5.02	— 42.57	+ 1	+ 43	— 1	11	22.99	
	3		27.2703	11.4680	— 88	— 1.3	+ .4	40 29 43.65	+ 6 39.30	— 9	— 16	+ 12	7	22.89	31.6
	4		18.0183	23.8267	+ 47	— 1.1	+ 1.4	40 38 49.42	— 2 26.97	+ 3	0	— 5	10	22.53	31.1
	5		28.5250 ^{iv}	12.3287 ⁱⁱ	— 13	+ 1.1	0	40 29 32.17	+ 6 49.45	+ 1.23	+ 18	+ 12	6	23.21	
	6		10.4337 ⁱⁱ	29.0503 ^{iv}	+ 2	+ 2.1	+ 1.1	40 28 31.44	+ 7 50.67	+ 1.21	+ 48	+ 13	5	23.98	30.3
	7		26.3967 ^{iv}	12.2057 ⁱⁱ	+ 37	+ .5	+ .7	40 30 22.30	+ 5 58.87	+ 1.24	+ 17	+ 10	6	22.74	
	8		12.6530	29.4057	+ 149	+ .2	+ 1.2	40 43 27.19	— 7 3.92	+ 10	+ 18	— 13	7	23.49	
	9		20.8023	16.7767	— 44	+ 2.0	+ .1	40 38 4.96	— 1 41.67	+ 2	+ 34	— 4	11	23.72	
	10		24.8117	14.9127	— 12	0	— .2	40 40 34.02	— 4 10.24	+ 6	— 2	— 7	6	23.81	30.8
	11		33.3970 ^{iv}	6.4717 ⁱⁱ	— 3	— 1.0	— .1	40 25 0.81	+ 11 20.73	+ 1.17	— 17	+ 20	6	22.80	30.7
Nov 15	12		14.5000	27.2057	+ 93	+ .3	+ .1	40 41 44.42	— 5 21.46	+ 7	+ 6	— 10	7	23.06	
	IV 1	D	20.8310	18.6543	— 6	+ .3	+ .3	40 37 17.93	— 55.02	+ 1	+ 9	— 2	13	23.12	43.7
	2		20.7923	21.4750	+ 6	+ 1.7	+ 1.7	40 37 5.16	— 42.56	+ 1	+ 49	— 1	11	23.20	
	3		11.2847	27.0710	— 114	+ 2.7	+ 1.6	40 29 43.83	+ 6 38.83	— 5	+ 63	+ 12	7	23.43	43.6
	4		22.3940	16.5687	— 26	+ .3	— .1	40 33 49.64	— 2 27.21	+ 2	+ 3	— 5	10	22.53	42.9
	5		11.8947 ⁱⁱ	28.0787 ^{iv}	0	+ .1	— 1.0	40 39 22.41	+ 6 49.17	+ 1.27	— 11	+ 12	6	22.92	
	6		29.5933 ^{iv}	11.0147 ⁱⁱ	— 2	— .5	+ .3	40 28 31.72	+ 7 49.71	+ 1.26	— 4	+ 13	5	22.83	
	7		13.6603 ⁱⁱ	27.8397 ^{iv}	— 40	+ 2.0	+ 1.6	40 30 22.60	+ 5 58.39	+ 1.27	+ 52	+ 10	6	22.94	
	8		28.4897	11.6977	+ 13	+ 1.5	+ .8	40 43 27.53	— 7 4.56	+ 5	+ 34	— 13	7	23.30	
	9		17.2520	21.3123	— 28	+ .5	+ .5	40 38 5.32	— 1 42.58	+ 1	+ 14	— 4	11	22.96	44.0
	10		15.4167	25.3693	+ 35	+ .4	+ 1.1	40 40 34.43	— 4 11.71	+ 3	+ 20	— 7	6	22.94	
	11		6.8280 ⁱⁱ	33.7553 ^{iv}	+ 16	— .6	— .2	40 25 1.22	+ 11 20.82	+ 1.23	+ 7	+ 20	6	23.60	43.6
	12		26.6400	13.8987	+ 28	+ .5	+ .5	40 41 44.76	— 5 22.20	+ 4	+ 14	— 10	7	22.71	
	I 1	R	13.1490	28.2387	+ 93	+ 2.0	+ 1.7	40 42 44.58	— 6 21.74	+ 5	+ 54	— 13	8	23.38	42.9
	2		18.7520	23.1777	+ 37	— .2	— .1	40 34 32.06	+ 1 51.99	— 1	— 3	+ 4	9	24.14	42.8
	3		12.2103	26.1987	— 98	— .3	+ 1.9	40 42 16.41	— 5 53.41	+ 4	+ 19	— 10	6	23.19	
	4		21.7830	18.5880	+ 5	+ .7	— .5	40 37 44.34	— 1 20.79	+ 1	+ 5	— 3	7	23.65	41.8
	5		24.8183	16.1600	+ 35	— .4	+ 1.2	40 32 44.13	+ 3 38.99	— 3	+ 8	+ 7	7	23.31	
	6		16.5420	23.6563	+ 7	+ .3	— .1	40 33 23.51	+ 2 59.88	— 2	+ 3	+ 5	6	23.51	
	8		23.4813	16.6500	+ 5	— .2	+ .2	40 33 30.82	+ 2 52.72	— 2	0	+ 5	6	23.63	40.4

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
Nov 15	I 9 R		21.3740	16.4710	— 47	.0	+ .7	40 38 26.86	— 2 3.84	+ 2	+ 9	— 4	7	40 36 23.16	○
Nov 16	IV 10		9.0500 ⁱⁱ	30.9247 ^{iv}	0	+1.1	+1.2	40 27 8.74	+ 9 13.04	+1.25	+ 33	+20	9	23.65	40.3
	IV 1 R		20.4010	22.5993	+ 28	+1.8	+1.8	40 37 17.95	— 55.65	+ 1	+ 51	— 2	13	22.93	51.1
	3		27.8213	12.0550	— 10	+2.2	+1.7	40 29 43.87	+ 6 38.58	+ 5	+ 57	+12	7	23.16	50.4
	4		17.0410	22.8723	— 1	+ .5	+2.1	40 38 49.70	— 2 27.43	+ 2	+ 34	— 5	10	22.68	
	5		27.9033	11.7517	+ 6	+1.2	+ .8	40 29 32.48	+ 6 48.36	+1.27	+ 29	+12	6	22.58	
	6		10.4210 ⁱⁱ	29.0293 ^{iv}	+ 2	+2.0	+ .6	40 28 31.80	+ 7 50.47	+1.26	+ 40	+13	5	24.11	50.2
	7		27.1247 ^{iv}	12.9317 ⁱⁱ	0	—1.9	— .2	40 30 22.69	+ 5 58.83	+1.27	— 33	+10	6	22.62	48.6
	8		12.0507	28.8270	+ 62	—1.9	— .5	40 43 27.64	— 7 4.30	+ 5	— 37	—13	7	22.96	
	9		21.9483	17.9087	— 3	+ .1	— .5	40 38 5.43	— 1 42.12	+ 1	— 3	— 4	11	23.36	
	10		24.6363	14.6963	— 30	+1.0	.0	40 40 34.56	— 4 11.23	+ 3	+ 16	— 7	6	23.51	48.1
	11		33.9737 ^{iv}	7.0647 ⁱⁱ	+ 31	+ .1	.0	40 25 1.36	+11 20.40	+1.23	+ 1	+20	6	23.26	47.9
	12		26.9187	26.9187	+ 55	—1.3	—1.6	40 41 44.90	— 5 20.96	+ 4	— 41	—10	7	23.54	
	I 1 D		27.4607	12.3677	— 10	—2.4	—1.9	40 42 44.68	— 6 21.56	+ 5	— 63	—13	8	22.49	42.4
	2		20.2030	15.8040	— 77	+ .8	+1.3	40 34 32.15	+ 1 51.02	— 1	— 3	+ 4	9	23.26	
	3		28.7493	14.8223	+217	+ .2	— .5	40 42 16.50	— 5 52.66	+ 4	— 3	—10	6	23.81	
	4		17.6100	20.8277	— 23	— .6	— .7	40 37 44.41	+ 1 21.29	+ 1	— 18	— 3	7	22.99	41.8
	5		15.3030	23.9753	— 27	+ .2	+ .5	40 32 44.21	+ 3 39.19	— 3	+ 9	+ 7	7	23.60	
	6		22.9240	15.8050	— 41	—1.7	—1.5	40 33 23.56	+ 2 59.88	— 2	— 46	+ 5	6	23.07	
	7 R		11.4513	27.1937	— 94	—2.0	—1.5	40 43 2.12	— 6 37.77	+ 5	— 52	—12	7	23.83	41.4
	8		16.0870	22.9133	— 30	+1.1	+1.2	40 33 30.89	+ 2 52.51	— 2	+ 33	+ 5	6	23.82	41.4
Nov 19	IV 10		30.8757 ^{iv}	8.9823 ⁱⁱ	— 0	—1.3	— .4	40 27 8.73	+ 9 13.52	+1.25	— 26	+20	9	23.53	41.1
	1		21.0467	18.8643	— 1	.0	+ .2	40 37 17.91	— 55.17	+ 1	+ 2	— 2	13	22.88	33.4
	2		17.2200	18.9160	— 30	+ .7	+ .5	40 37 5.17	— 42.80	+ 1	+ 18	— 1	11	22.66	
	3		12.3730	28.1747	+ 37	— .1	—1.0	40 29 43.88	+ 6 39.60	— 5	— 14	+12	7	23.48	32.8
	4		22.2847	16.4617	— 34	+ .2	.0	40 38 49.76	— 2 27.13	+ 2	+ 3	— 5	10	22.73	
	5		12.6187 ⁱⁱ	28.7783 ^{iv}	— 24	.0	+ .8	40 29 32.56	+ 6 48.49	+1.27	+ 10	+12	6	22.60	
	6		29.7780 ^{iv}	11.2200 ⁱⁱ	— 4	+ .3	+2.2	40 28 31.94	+ 7 49.18	+1.26	+ 32	+13	5	22.88	31.4
	7		12.2940 ⁱⁱ	26.4623 ^{iv}	+ 32	+1.6	+1.4	40 30 23.86	+ 5 58.29	+1.27	+ 43	+10	6	23.01	
	8		29.7443	12.9443	+198	+ .5	+ .4	40 43 27.93	— 7 5.24	+ 5	+ 13	—13	7	22.81	30.5
	9		17.2573	21.3530	— 27	+3.0	+2.1	40 38 5.68	— 1 43.48	+ 1	+ 75	— 4	11	23.03	
	10		15.4523	25.4437	+ 34	.0	— .2	40 40 34.86	— 4 12.70	+ 3	— 2	— 7	6	22.16	30.4
	11		6.7777 ⁱⁱ	33.6613 ^{iv}	+ 13	+ .3	.0	40 25 1.68	+11 19.71	+1.23	+ 5	+20	6	22.93	30.5
	12		25.5090	12.7457	— 97	.0	— .3	40 41 45.26	+ 5 22.44	+ 4	— 4	—10	7	22.79	30.5
	I 1 R		12.9630	28.0240	+ 62	—1.0	—4.5	40 42 45.04	— 6 20.93	+ 5	— 72	—13	8	23.39	21.6
	2		18.3697	22.7830	+ 22	—3.3	—5.0	40 34 32.47	+ 1 51.63	— 1	—1.16	+ 4	9	23.06	
	3		12.8100	26.7757	— 27	—1.9	—1.5	40 42 16.83	— 5 53.02	+ 4	— 49	—10	6	23.32	
	4		22.5567	19.3610	+ 27	— .7	—2.0	40 37 44.70	+ 1 20.86	+ 1	— 36	— 3	7	23.53	23.5
	5		24.5150	15.8553	+ 14	—1.5	+ .1	40 32 44.46	+ 3 38.97	— 3	— 22	+ 7	7	23.32	
	6		16.3307	23.4477	— 9	+ .5	—1.3	40 33 23.79	+ 2 59.92	— 2	— 8	+ 5	6	23.72	
	7		12.5173	28.2753	+ 54	—1.9	.0	40 43 2.31	— 6 38.53	+ 5	— 31	—12	7	23.47	22.9
	8		17.3997	24.2333	+ 50	—1.2	— .1	40 33 31.01	+ 2 53.02	— 2	— 21	+ 5	6	23.91	22.7
	9		18.3443	23.2617	+ 34	+1.0	+1.8	40 38 26.95	— 2 4.41	+ 2	+ 38	— 4	7	22.97	
Nov 20	IV 10		31.1050 ^{iv}	9.2247 ⁱⁱ	+ 1	—1.8	— .4	40 27 8.58	+ 9 13.19	+1.25	— 34	+20	9	22.97	23.4
	IV 1 R		20.5257	22.7080	+ 30	+3.2	+1.8	40 37 17.85	— 55.25	+ 1	+ 74	— 2	13	23.46	30.3
	2		21.3423	19.6723	+ 5	+ .7	+ .5	40 37 5.12	— 42.23	+ 1	+ 18	— 1	11	23.18	
	3		27.7907	12.0060	— 13	— .9	+ .1	40 29 43.85	+ 6 39.04	— 5	— 13	+12	7	22.90	30.5
	4		17.4393	23.2670	+ 16	—1.4	— .3	40 38 49.75	— 2 27.38	+ 2	— 26	— 5	10	22.18	30.0
	5		28.5177 ^{iv}	12.3107 ⁱⁱ	— 13	—1.8	—1.0	40 29 32.55	+ 6 49.72	+1.27	— 41	+12	6	23.31	
	6		11.3927 ⁱⁱ	29.9837 ^{iv}	— 8	+ .6	.0	40 28 31.95	+ 7 50.00	+1.26	+ 9	+13	5	23.48	29.2
	7		26.8103 ^{iv}	12.6323 ⁱⁱ	+ 16	— .1	+ .4	40 30 22.88	+ 5 58.49	+1.27	+ 3	+10	6	22.83	
	8		12.6360	29.4023	+146	— .8	+ .4	40 43 27.87	— 7 4.26	+ 5	— 8	—13	7	23.52	
	9		22.0370	17.9927	+ 1	—1.0	—1.6	40 38 5.72	— 1 42.25	+ 1	— 36	— 4	11	23.19	29.2
	10		24.9803	15.0413	—104	— .2	— .6	40 40 34.91	— 4 11.02	+ 3	— 10	— 7	6	23.81	
	11		34.7383 ^{iv}	7.8453 ⁱⁱ	+ 79	— .3	+ .2	40 25 1.75	+11 20.12	+1.23	— 2	+20	6	23.34	28.9

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Nov 20	IV 12	R	14.5637	27.2717	+100	-1.3	-2.2	40 41 45.34	- 5 21.54	+ 4	- 48	-10	7	40 36 23.33	°
21	IV 1	D	20.6937	18.5387	- 7	+1.4	+1.0	40 37 17.79	- 54.47	+ 1	+ 35	- 2	13	23.79	39.8
	2		20.4387	22.1210	+ 17	- .1	+ .9	40 37 5.07	- 42.58	+ 1	+ 9	- 1	11	22.69	
	3		11.8557	27.6553	- 34	+1.1	.0	40 29 43.80	+ 6 39.36	- 5	+ 18	+12	7	23.48	39.8
	4		22.3893	16.5407	- 28	+1.9	+1.3	40 38 49.72	- 2 27.80	+ 2	+ 47	- 5	10	22.46	39.4
	5		12.8380 ⁱⁱ	29.0363 ^{iv}	- 32	-1.1	- .3	40 29 32.53	+ 6 49.45	+1.27	- 22	+12	6	23.21	
	6		30.0783 ^{iv}	11.5077 ⁱⁱ	- 8	- .2	+1.8	40 28 31.94	+ 7 49.49	+1.26	+ 19	+13	5	23.06	39.2
	7		12.9507 ⁱⁱ	27.1100 ^{iv}	- 1	+2.8	+2.0	40 30 22.88	+ 5 57.98	+1.27	+ 70	+10	6	22.99	
	8		28.4823	11.7103	+ 13	+ .1	- .4	40 43 27.89	- 7 4.07	+ 5	- 3	-13	7	23.78	38.9
	9		18.0480	22.1163	+ 2	+2.0	+ .7	40 38 5.75	- 1 42.86	+ 1	+ 41	- 4	11	23.38	38.6
	10		14.8923	24.8623	- 10	+ .1	+ .6	40 40 34.96	- 4 12.04	+ 3	+ 9	- 7	6	23.03	
	11		7.7377 ⁱⁱ	34.6267 ^{iv}	+ 71	+ .3	- .4	40 25 1.80	+11 20.00	+1.23	0	+20	6	23.29	38.4
Nov 22	IV 1	R	26.9027	14.1630	+ 58	-1.2	- .5	40 41 45.40	- 5 22.24	+ 4	- 26	-10	7	22.91	
	2		18.5247	20.6963	- 7	+2.6	+ .8	40 37 17.73	- 54.89	+ 1	+ 52	- 2	13	23.48	41.5a
			21.0620	19.4100	+ 2	-1.1	-1.4	40 37 5.02	- 41.77	+ 1	- 35	- 1	11	23.01	41.6
	4		17.5913	23.4160	+ 26	+ .8	+1.1	40 38 49.69	- 2 27.33	+ 2	+ 27	- 5	10	22.70	
	5		28.0037 ^{iv}	11.8363 ⁱⁱ	+ 2	+ .4	+ .1	40 29 32.53	+ 6 48.75	+1.27	+ 8	+12	6	22.81	41.6
	6		10.7070 ⁱⁱ	29.2763 ^{iv}	+ 0	+1.5	+1.6	40 28 31.93	+ 7 49.47	+1.26	+ 44	+13	5	23.28	41.2
	7		26.8330 ^{iv}	12.6617 ⁱⁱ	+ 15	- .2	+1.0	40 30 22.88	+ 5 58.32	+1.27	+ 9	+10	6	22.72	
	8		12.7247	29.5143	+162	.0	+ .3	40 43 27.90	- 7 4.89	+ 5	+ 4	-13	7	23.04	41.1
	9		23.5563	19.5027	+ 55	- .9	-1.4	40 38 5.78	- 1 42.62	+ 1	- 32	- 4	11	22.92	
	10		25.2903	15.3170	+ 26	+2.1	+1.0	40 40 35.00	- 4 12.21	+ 3	+ 46	- 7	6	23.27	41.1
Nov 24	IV 1	D	33.7200 ^{iv}	6.8087 ⁱⁱ	+ 15	- .6	- .5	40 25 1.85	+11 20.42	+1.23	- 16	+20	6	23.60	41.2
	12		14.3287	27.0830	+ 78	- .2	-1.3	40 41 45.45	- 5 22.66	+ 4	- 19	-10	7	22.61	
			26.9583	11.8360	- 80	-1.4	-2.2	40 42 45.45	- 6 22.12	+ 5	- 50	-13	8	22.83	35.5
	2		22.2800	17.9163	+ 4	+1.1	+1.1	40 34 32.83	+ 1 50.33	- 1	+ 32	+ 4	9	23.60	
	3		27.6900	13.7113	+ 86	- .2	+ .1	40 42 17.21	- 5 53.63	+ 4	- 1	-10	6	23.57	
	4		18.3613	21.6080	- 2	-1.1	- .5	40 37 45.02	- 1 22.08	+ 1	- 24	- 3	7	22.75	35.5
	6		23.7293	16.6347	+ 12	-1.3	- .4	40 33 24.05	+ 2 59.40	- 2	- 26	+ 5	6	23.28	
	7		27.8870	12.0913	- 2	- .7	- .4	40 43 2.52	- 6 39.35	+ 5	- 16	-12	7	23.01	35.5d
Nov 26	IV 1	D	23.1597	16.3450	- 17	+ .5	+1.9	40 33 31.13	+ 2 52.25	- 2	+ 32	+ 5	6	23.79	35.4
	2		20.8280	18.6757	- 5	+ .6	+ .3	40 37 17.59	- 54.40	+ 1	+ 13	- 2	13	23.44	32.0
	1		18.7050	20.3593	- 6	.0	- .2	40 37 4.91	- 41.81	+ 1	- 2	- 1	11	23.19	
	3		13.0083	28.8123	+125	+ .3	- .5	40 29 43.66	+ 6 39.88	- 5	- 1	+12	7	23.67	32.1
	4		23.3680	17.5610	+ 22	- .8	- .4	40 38 49.66	- 2 26.87	+ 2	- 18	- 5	10	22.68	32.0
	5		12.0317 ⁱⁱ	28.2287 ^{iv}	- 3	-1.2	-1.7	40 29 32.47	+ 6 49.49	+1.27	- 41	+12	6	23.00	
	6		30.3323 ^{iv}	11.7713 ⁱⁱ	- 13	+2.0	+ 1.5	40 28 31.95	+ 7 49.23	+1.26	+ 51	+13	5	23.13	31.9
	7		13.6867 ⁱⁱ	27.8743 ^{iv}	- 42	+ .9	+ .2	40 30 22.93	+ 5 58.59	+1.27	+ 12	+10	6	23.07	
	8		28.3207	11.5277	- 13	+ .4	- .8	40 43 28.00	- 7 4.53	+ 5	- 4	-13	7	23.42	
	9		18.9810	23.0493	+ 36	+ .2	.0	40 38 5.94	- 1 42.95	+ 1	+ 3	- 4	11	23.10	31.4
	10		15.1733	25.1353	+ 14	- .7	- .1	40 40 35.18	- 4 11.90	+ 3	- 13	- 7	6	23.17	
	11		7.2520 ⁱⁱ	34.1707 ^{iv}	+ 43	-1.8	-1.8	40 25 2.06	+11 20.68	+1.23	- 51	+20	6	23.72	31.8
Nov 27	IV 1	R	26.9593	14.2100	+ 63	- .3	- .6	40 41 45.70	- 5 22.42	+ 4	- 12	-10	7	23.10	32.0
	2		20.6747	22.8660	+ 34	+1.4	+1.5	40 37 17.58	- 55.49	+ 1	+ 41	- 2	13	22.62	47.7
			21.6617	19.9877	+ 11	+ .4	+1.5	40 37 4.90	- 42.35	+ 1	+ 25	- 1	11	22.91	
	3		28.2627	12.4797	+ 48	- .1	+ .1	40 29 43.66	+ 6 39.15	- 5	- 0	+12	7	22.95	47.2a
	4		16.4277	22.2807	- 34	+1.1	+ .5	40 38 49.67	- 2 27.89	+ 2	+ 24	- 5	10	22.09	
	5		28.7120 ^{iv}	12.5610 ⁱⁱ	- 22	+ .8	+ .7	40 29 32.48	+ 6 48.27	+1.27	+ 22	+12	6	22.42	48.0
	6		11.0093 ⁱⁱ	29.5523 ^{iv}	- 2	+2.5	+1.1	40 28 31.98	+ 7 48.80	+1.26	+ 54	+13	5	22.76	47.6
	7		27.7573 ^{iv}	13.5943 ⁱⁱ	- 36	- .9	+ .3	40 30 22.96	+ 5 57.98	+1.27	- 10	+10	6	22.27	
	8		12.4017	29.2143	+116	+ .4	+ .3	40 43 28.04	- 7 5.35	+ 5	+ 10	-13	7	22.78	47.2
	9		22.4877	18.4293	+ 16	+1.6	+1.5	40 38 6.00	- 1 42.65	+ 1	+ 45	- 4	11	23.88	*
	10		25.2593	15.2620	+ 22	+1.3	+ .5	40 40 35.25	- 4 12.81	+ 3	+ 27	- 7	6	22.73	46.0
	11		33.3337 ^{iv}	6.4587 ⁱⁱ	- 8	+1.2	+1.2	40 25 2.14	+11 19.44	+1.23	+ 34	+20	6	23.41	
	12		14.3010	27.0530	+ 74	- .5	- .3	40 41 45.78	- 5 22.59	+ 4	- 12	-10	7	23.08	46.0

* Hurried.

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Nov 27	I 1	R	13.1997	28.3063	+100	+ .4	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 45.60 \end{smallmatrix}$	- 6 22.18	+ 5	+ 6	-13	8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 23.48 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 41.4 \end{smallmatrix}$
	2		17.2260	21.5887	- 25	- .5	+ .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 34 & 32.95 \end{smallmatrix}$	+ 1 50.24	- 1	- 6	+ 4	9	$\begin{smallmatrix} \circ \\ 23.25 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 41.3 \end{smallmatrix}$
Nov 28	IV 1	D	13.0837	27.0707	+ 9	- .5	-1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 17.35 \end{smallmatrix}$	- 5 53.65	+ 4	- 22	-10	6	$\begin{smallmatrix} \circ \\ 23.48 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 40.8 \end{smallmatrix}$
	2		21.6647	19.4820	+ 10	+1.0	+ .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 17.57 \end{smallmatrix}$	- 55.21	+ 1	+ 23	- 2	13	$\begin{smallmatrix} \circ \\ 22.71 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 31.0 \end{smallmatrix}$
			19.6687	21.3497	+ 6	.0	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 4.89 \end{smallmatrix}$	- 42.51	+ 1	- 0	- 1	11	$\begin{smallmatrix} \circ \\ 22.49 \end{smallmatrix}$	
	3		12.6363	28.4220	+ 73	+ .2	- .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.65 \end{smallmatrix}$	+ 6 39.28	- 5	+ 1	+12	7	$\begin{smallmatrix} \circ \\ 23.08 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.6 \end{smallmatrix}$
	4		21.6667	15.8277	- 64	+ .3	+ .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 49.68 \end{smallmatrix}$	- 2 27.46	+ 2	+ 11	- 5	10	$\begin{smallmatrix} \circ \\ 22.40 \end{smallmatrix}$	
	5		11.0777 ⁱⁱ	27.3047 ^{iv}	+ 28	+3.5	+2.7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 32.49 \end{smallmatrix}$	+ 6 50.33	+1.27	+ 90	+12	6	[25.17]	
	6		29.7147 ^{iv}	11.1400 ⁱⁱ	- 3	.0	+1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 28 & 32.01 \end{smallmatrix}$	+ 7 49.60	+1.26	+ 14	+13	5	$\begin{smallmatrix} \circ \\ 23.19 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.0 \end{smallmatrix}$
	7		12.8593 ⁱⁱ	27.0350 ^{iv}	+ 1	+2.0	+ .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 30 & 23.00 \end{smallmatrix}$	+ 5 58.37	+1.27	+ 42	+10	6	$\begin{smallmatrix} \circ \\ 23.22 \end{smallmatrix}$	
	8		28.3753	11.5720	- 1	- .1	- .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 28.09 \end{smallmatrix}$	- 7 4.82	+ 5	- 8	-13	7	$\begin{smallmatrix} \circ \\ 23.18 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 29.4 \end{smallmatrix}$
	9		19.7630	23.8430	+ 65	-1.1	+ .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 6.06 \end{smallmatrix}$	- 1 43.36	+ 1	- 16	- 4	11	$\begin{smallmatrix} \circ \\ 22.62 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 29.3 \end{smallmatrix}$
	10		14.8387	24.8373	- 13	- .2	+ .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 40 & 35.33 \end{smallmatrix}$	- 4 12.75	+ 3	+ 6	- 7	6	$\begin{smallmatrix} \circ \\ 22.66 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 29.0 \end{smallmatrix}$
	11		7.3597 ⁱⁱ	34.2490 ^{iv}	- 49	+1.2	- .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 2.22 \end{smallmatrix}$	+11 19.95	+1.23	+ 9	+20	6	$\begin{smallmatrix} \circ \\ 23.75 \end{smallmatrix}$	
	12		26.5347	13.7597	+ 17	+2.6	+1.9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 45.87 \end{smallmatrix}$	- 5 23.02	+ 4	+ 66	-10	7	$\begin{smallmatrix} \circ \\ 23.52 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 29.0 \end{smallmatrix}$
Nov 29	IV 1	R	20.7197	22.8857	+ 34	.0	- .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 17.54 \end{smallmatrix}$	- 54.85	+ 1	- 9	- 2	13	$\begin{smallmatrix} \circ \\ 22.72 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 28.6 \end{smallmatrix}$
	2		21.5377	19.8917	+ 9	+1.0	- .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 4.87 \end{smallmatrix}$	- 41.64	+ 1	+ 14	- 1	11	$\begin{smallmatrix} \circ \\ 23.48 \end{smallmatrix}$	
	3		28.4770	12.6757	+ 71	- .5	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.60 \end{smallmatrix}$	+ 6 39.67	- 5	- 3	+12	7	$\begin{smallmatrix} \circ \\ 23.38 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 27.8 \end{smallmatrix}$
	4		17.2020	23.9917	+ 35	-2.1	-1.4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 49.68 \end{smallmatrix}$	- 2 26.47	+ 2	- 51	- 5	10	$\begin{smallmatrix} \circ \\ 22.77 \end{smallmatrix}$	
	5		28.5883 ^{iv}	12.4117 ⁱⁱ	- 17	+ .4	+ .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 32.50 \end{smallmatrix}$	+ 6 48.94	+1.27	+ 17	+12	6	$\begin{smallmatrix} \circ \\ 23.06 \end{smallmatrix}$	
	6		11.0840 ⁱⁱ	29.6807 ^{iv}	- 3	-1.2	-1.6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 28 & 32.02 \end{smallmatrix}$	+ 7 50.16	+1.26	- 39	+13	5	$\begin{smallmatrix} \circ \\ 23.23 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 27.4 \end{smallmatrix}$
	7		26.5580 ^{iv}	12.3760 ⁱⁱ	+ 23	+ .7	+ .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 30 & 23.03 \end{smallmatrix}$	+ 5 58.62	+1.27	+ 18	+10	6	$\begin{smallmatrix} \circ \\ 23.26 \end{smallmatrix}$	
	8		12.4497	29.2210	+120	-1.5	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 28.13 \end{smallmatrix}$	- 7 4.32	+ 5	- 24	-13	7	$\begin{smallmatrix} \circ \\ 23.56 \end{smallmatrix}$	
	9		22.9857	18.9147	+ 34	+1.6	+ .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 6.13 \end{smallmatrix}$	- 1 43.01	+ 1	+ 35	- 4	11	$\begin{smallmatrix} \circ \\ 23.55 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 27.3 \end{smallmatrix}$
	10		24.9340	14.9663	- 3	+1.6	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 40 & 35.39 \end{smallmatrix}$	- 4 12.01	+ 3	+ 26	- 7	6	$\begin{smallmatrix} \circ \\ 23.66 \end{smallmatrix}$	
Dec. 3	IV 11		33.3627 ^{iv}	6.4703 ⁱⁱ	- 4	-1.7	- .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 2.30 \end{smallmatrix}$	+11 19.89	+1.23	- 32	+20	6	$\begin{smallmatrix} \circ \\ 23.36 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 26.8 \end{smallmatrix}$
	12		14.2643	27.0357	+ 70	- .1	+ .3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 45.96 \end{smallmatrix}$	- 5 23.07	+ 4	+ 3	-10	7	$\begin{smallmatrix} \circ \\ 22.93 \end{smallmatrix}$	
	3	D	12.4063	28.2207	+ 43	+ .3	+ .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.38 \end{smallmatrix}$	+ 6 39.93	- 5	+ 11	+12	7	$\begin{smallmatrix} \circ \\ 23.56 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.4 \end{smallmatrix}$
	4		22.4830	16.6803	- 21	-1.3	- .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 49.53 \end{smallmatrix}$	- 2 26.65	+ 2	- 28	- 5	10	$\begin{smallmatrix} \circ \\ 22.67 \end{smallmatrix}$	
	5		11.9337 ⁱⁱ	28.1047 ^{iv}	0	+1.1	+1.4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 32.34 \end{smallmatrix}$	+ 6 48.84	+1.27	+ 35	+12	6	$\begin{smallmatrix} \circ \\ 22.98 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.4 \end{smallmatrix}$
	6		29.9897 ^{iv}	11.4100 ⁱⁱ	- 8	+ .2	+1.8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 28 & 31.93 \end{smallmatrix}$	+ 7 49.72	+1.26	+ 25	+13	5	$\begin{smallmatrix} \circ \\ 23.34 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 34.8 \end{smallmatrix}$
	7		12.5637 ⁱⁱ	26.7437 ^{iv}	+ 18	+ .6	- .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 30 & 22.97 \end{smallmatrix}$	+ 5 58.55	+1.27	+ 6	+10	6	$\begin{smallmatrix} \circ \\ 23.01 \end{smallmatrix}$	
	8		29.6850	12.8897	+190	+3.0	+ .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 28.14 \end{smallmatrix}$	- 7 5.10	+ 5	+ 55	-13	7	$\begin{smallmatrix} \circ \\ 23.58 \end{smallmatrix}$	
	9		17.6487	21.7300	- 12	+ .3	+1.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 6.23 \end{smallmatrix}$	- 1 43.15	+ 1	+ 18	- 4	11	$\begin{smallmatrix} \circ \\ 23.34 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 34.6 \end{smallmatrix}$
	10		15.4880	25.4813	+ 43	+1.3	+1.9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 40 & 35.52 \end{smallmatrix}$	- 4 12.76	+ 3	+ 45	- 7	6	$\begin{smallmatrix} \circ \\ 23.23 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.4 \end{smallmatrix}$
	11		6.9557 ⁱⁱ	33.8453 ^{iv}	+ 26	- .3	-1.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 2.47 \end{smallmatrix}$	+11 19.90	+1.23	- 17	+20	6	$\begin{smallmatrix} \circ \\ 23.69 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.2 \end{smallmatrix}$
	12		26.7077	13.8920	+ 34	+2.6	+2.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 46.18 \end{smallmatrix}$	- 5 24.10	+ 4	+ 68	-10	7	$\begin{smallmatrix} \circ \\ 22.77 \end{smallmatrix}$	
	3	D	26.5607	11.4043	-136	+ .4	+ .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 46.30 \end{smallmatrix}$	+ 6 22.85	+ 5	+ 9	-13	8	$\begin{smallmatrix} \circ \\ 23.54 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.0 \end{smallmatrix}$
	2		21.7547	17.4307	- 16	-1.9	-1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 34 & 33.58 \end{smallmatrix}$	+ 1 49.28	- 1	- 44	+ 4	9	$\begin{smallmatrix} \circ \\ 22.54 \end{smallmatrix}$	
	3		26.6410	12.6173	- 46	+ .6	- .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 18.00 \end{smallmatrix}$	- 5 54.44	+ 4	+ 4	-10	6	$\begin{smallmatrix} \circ \\ 23.60 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.5 \end{smallmatrix}$
	4		17.8490	21.1270	- 16	+ .8	+1.8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 45.69 \end{smallmatrix}$	- 1 22.83	+ 1	+ 35	- 3	7	$\begin{smallmatrix} \circ \\ 23.26 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.5 \end{smallmatrix}$
	5		16.4910	25.1323	- 61	- .7	- .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 32 & 45.37 \end{smallmatrix}$	+ 3 38.63	- 3	- 19	+ 7	7	$\begin{smallmatrix} \circ \\ 23.92 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.3 \end{smallmatrix}$
	6		23.6993	16.6310	+ 10	-1.4	- .3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 24.59 \end{smallmatrix}$	+ 2 58.73	- 2	- 26	+ 5	6	$\begin{smallmatrix} \circ \\ 23.15 \end{smallmatrix}$	
	7		27.4757	11.6927	- 59	- .2	- .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 2.96 \end{smallmatrix}$	- 6 38.88	+ 5	- 14	-12	7	$\begin{smallmatrix} \circ \\ 23.94 \end{smallmatrix}$	
	8		23.3970	16.5873	0	-1.5	- .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 31.40 \end{smallmatrix}$	+ 2 52.16	- 2	- 33	+ 5	6	$\begin{smallmatrix} \circ \\ 23.32 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 29.9 \end{smallmatrix}$
Dec. 4	IV 9		21.6123	16.6993	- 39	- .8	-1.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 27.21 \end{smallmatrix}$	- 2 4.11	+ 2	- 25	- 4	7	$\begin{smallmatrix} \circ \\ 22.90 \end{smallmatrix}$	
	10		8.6503 ⁱⁱ	30.5260 ^{iv}	- 6	- .1	- .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 27 & 8.85 \end{smallmatrix}$	+ 9 13.05	+1.25	- 9	+20	9	$\begin{smallmatrix} \circ \\ 23.35 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 30.0 \end{smallmatrix}$
	3	D	18.3543	20.0010	- 12	-1.4	- .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 4.48 \end{smallmatrix}$	- 41.60	+ 1	- 30	- 1	11	$\begin{smallmatrix} \circ \\ 22.69 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 36.4 \end{smallmatrix}$
	3	R	29.8337	14.0693	+270	+2.0	+2.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.28 \end{smallmatrix}$	+ 6 39.24	- 5	+ 57	+12	7	$\begin{smallmatrix} \circ \\ 23.23 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.9 \end{smallmatrix}$
	4		18.8190	24.6157	+ 87	-2.8	-1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 49.44 \end{smallmatrix}$	- 2 26.77	+ 2	- 60	- 5	10	$\begin{smallmatrix} \circ \\ 22.14 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.4 \end{smallmatrix}$
	5		27.1510 ^{iv}	10.9887 ⁱⁱ	+ 32	+1.1	+ .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 32.26 \end{smallmatrix}$	+ 6 48.70	+1.26	+ 27	+12	6	$\begin{smallmatrix} \circ \\ 22.67 \end{smallmatrix}$	
	6		10.8067 ⁱⁱ	29.3860 ^{iv}	0	+ .8	- .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 28 & 31.86 \end{smallmatrix}$	+ 7 49.73	+1.25	+ 8	+13	5	$\begin{smallmatrix} \circ \\ 23.10 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 35.0 \end{smallmatrix}$
	7		26.8930 ^{iv}	12.6967 ⁱⁱ	+ 11	-1.3	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 30 & 22.91 \end{smallmatrix}$	+ 5 58.94	+1.26	- 21	+10	6	$\begin{smallmatrix} \circ \\ 23.06 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 34.7 \end{smallmatrix}$
	8		11.1157	27.9217	- 73	- .3	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 28.10 \end{smallmatrix}$	- 7 4.71	+ 5	- 5	-13	7	$\begin{smallmatrix} \circ \\ 23.33 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 34.4 \end{smallmatrix}$
	9		20.9740	16.9043	- 39	- .3	- .3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 6.21 \end{smallmatrix}$	- 1 42.79	+ 1	- 9	- 4	11	$\begin{smallmatrix} \circ \\ 23.41 \end{smallmatrix}$	

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Dec. 4	IV 10	R	24.2917	14.8150	-60	+ .8	+ .7	40 40 35.51	- 4 12.08	+ 3	+ 22	- 7	6	40 36 23.67	33.9
			32.8613 ^{iv}	5.9793 ⁱⁱ	-34	-1.1	-1.2	40 25 2.47	+11 19.55	+1.23	- 33	+20	6	23.18	33.8
			13.3743	26.1567	-27	-1.2	-1.2	40 41 46.19	- 5 23.10	+ 4	- 34	-10	7	22.76	
			19.6447 ^{iv}	34.8273 ⁱⁱ	-366	+ .9	- .5	40 42 46.41	- 6 22.93	+ 5	+ 8	-13	8	23.56	27.8
			18.3407	22.6983	+ 19	-2.8	-2.8	40 34 33.69	+ 1 50.22	- 1	- 80	+ 4	9	23.23	
			12.5507	26.5827	- 53	-2.4	-2.1	40 42 18.12	- 5 54.63	+ 4	- 65	-10	6	22.84	
			21.8250	18.5843	+ 5	+ .2	- .8	40 37 45.80	- 1 21.94	+ 1	- 7	- 3	7	23.84	28.7
			24.6377	16.0233	- 25	-1.2	+ .1	40 32 45.43	+ 3 37.86	- 3	- 13	+ 7	7	23.27	
			16.2747	23.3473	- 11	- .2	.0	40 33 24.69	+ 2 58.78	- 2	- 3	+ 5	6	23.53	
			12.9923	28.7483	+121	-3.2	-1.2	40 43 2.95	- 6 38.65	+ 5	- 66	-12	7	23.64	27.7
Dec. 5	IV 2	D	16.5373	23.3507	- 5	.0	+ .2	40 33 31.48	+ 2 52.25	- 2	+ 2	+ 5	6	23.84	
			17.9533	22.8873	+ 19	+ .3	+ .4	40 38 27.28	- 2 4.79	+ 2	+ 10	- 4	7	22.64	28.0
			31.8800 ^{iv}	9.9940 ⁱⁱ	+ 16	-1.2	- .3	40 27 8.90	+ 9 13.37	+1.24	- 23	+20	9	23.57	
			18.1143	19.7503	- 15	+1.4	+ .4	40 37 4.37	- 41.32	+ 1	+ 27	- 1	11	23.43	32.4
			11.2603	27.1013	-111	+ .5	- .5	40 29 43.16	+ 6 40.22	- 5	+ 1	+12	7	23.53	
			20.7427	14.9380	-108	- .9	- .8	40 38 49.35	- 2 26.48	+ 2	- 24	- 5	10	22.70	31.8
			11.7123 ⁱⁱ	27.9053 ^{iv}	+ 7	+ .1	+ .3	40 29 32.16	+ 6 49.41	+1.26	+ 5	+12	6	23.06	
			29.7927 ^{iv}	11.2127 ⁱⁱ	- 4	+ .9	+1.6	40 28 31.78	+ 7 49.74	+1.25	+ 34	+13	5	23.29	
			12.7483 ⁱⁱ	26.9417 ^{iv}	+ 8	+ .9	.0	40 30 22.84	+ 5 58.86	+1.26	+ 15	+10	6	23.27	
			28.8440	12.0473	+ 62	+1.5	+ .8	40 43 28.04	- 7 4.82	+ 5	+ 34	-13	7	23.55	33.0
Dec. 6	IV 2	R	17.8370	21.9350	- 4	- .6	-1.0	40 38 6.17	- 1 43.60	+ 1	- 22	- 4	11	22.43	
			14.2147	24.2123	- 69	.0	+ .1	40 40 35.48	- 4 12.59	+ 3	+ 1	- 7	6	22.92	33.0
			6.1267	33.0233	- 28	+ .3	-1.0	40 25 2.45	+11 19.94	+1.22	- 7	+20	6	23.80	
			27.9490	14.2660	+ 74	+ .1	- .8	40.41 46.18	- 5 23.37	+ 4	- 8	-10	7	22.74	33.0
			26.1890	11.0167	-188	-1.5	-1.1	40 42 46.52	- 6 23.12	+ 5	- 38	-13	8	23.02	28.8
			20.8883	16.5693	- 49	- .7	.0	40 34 33.79	+ 1 49.06	- 1	- 11	+ 4	9	22.86	
			27.8253	13.7760	+100	+2.6	+ .8	40 42 18.22	- 5 55.45	+ 4	+ 52	-10	6	23.29	
			17.8697	21.1373	- 16	-1.9	-1.5	40 37 45.88	- 1 22.57	+ 1	- 49	- 3	7	22.87	29.0
			14.7557	23.3657	- 70	+1.7	+1.0	40 32.45.52	+ 3 37.50	- 3	+ 40	+ 7	7	23.53	
			23.8113	16.7520	+ 18	- .7	+ .7	40 33 24.78	+ 2 58.52	- 2	- 2	+ 5	6	23.37	
Dec. 6	IV 2	R	28.0870	12.2920	+ 17	- .4	+ .4	40 43 3.13	- 6 39.38	+ 5	- 1	-12	7	23.74	
			24.0273	17.2507	+ 88	- .5	+ .2	40 33 31.55	+ 2 51.42	- 2	- 5	+ 5	6	23.01	29.8
			23.3690	18.4447	+ 40	+1.2	+ .1	40 38 27.34	- 2 4.60	+ 2	+ 21	- 4	7	23.00	
			8.7007 ⁱⁱ	30.5733 ^{iv}	- 6	.0	- .4	40 27 8.95	+ 9 12.97	+1.24	- 5	+20	9	23.40	29.8
			21.1620	19.5133	+ 2	+ .6	- .2	40 37 4.26	- 41.69	+ 1	+ 7	- 1	11	22.75	41.0
			26.9157	11.1173	-138	+1.4	+1.8	40 29 43.05	+ 6 39.07	- 5	+ 45	+12	7	22.71	a
			16.9040	22.7240	- 11	- .3	+ .8	40 38 49.26	- 2 27.12	+ 2	+ 5	- 5	10	22.26	39.8
			28.1230 ^{iv}	11.9470 ⁱⁱ	- 1	+ .9	+ .8	40 29 32.06	+ 6 48.96	+1.26	+ 24	+12	6	22.70	39.4
			10.5157 ⁱⁱ	29.0940 ^{iv}	+ 2	+2.3	+1.2	40 28 31.70	+ 7 49.71	+1.25	+ 52	+13	5	23.36	
			26.6153 ^{iv}	12.4407 ⁱⁱ	+ 25	- 6	- .6	40 30 22.77	+ 5 58.43	+1.26	- 17	+10	6	22.45	
Dec. 23	IV 2	R	12.2377	29.0380	+ 90	- .2	+ .1	40 43 27.98	- 7 4.98	+ 5	- 1	-13	7	22.98	39.4
			22.8540	18.7560	+ 29	+1.9	+ .9	40 38 6.14	- 1 43.68	+ 1	+ 41	- 4	11	22.95	
			24.6630	14.6983	- 28	- .5	-1.7	40 40 35.45	- 4 11.86	+ 3	- 29	- 7	6	23.32	38.5
			32.7040 ^{iv}	5.8193 ⁱⁱ	- 46	.0	+ .7	40 25 2.43	+11 19.59	+1.22	+ 9	+20	6	23.59	38.0
			13.0690	25.8323	- 61	-3.5	-2.7	40 41 46.18	- 5 22.53	+ 4	- 90	-10	7	22.76	
			19.5957	23.9017	+ 65	+ .7	+1.0	40 34 33.87	+ 1 49.03	- 1	+ 24	+ 4	9	23.26	32.0
			12.4370	26.4870	- 63	- .8	- .4	40 42 18.31	- 5 55.06	+ 4	- 18	-10	6	23.07	
			22.2833	19.0350	- 19	+1.1	.0	40 37 45.98	- 1 22.17	+ 1	+ 18	- 3	7	24.04	32.8
			24.8327	16.2260	+ 38	- .4	+1.3	40 32 45.59	+ 3 37.69	- 3	+ 10	+ 7	7	23.49	
			15.4497	22.4907	- 64	+2.3	+2.6	40 33 24.84	+ 2 57.85	- 2	+ 70	+ 5	6	23.48	32.6
Dec. 23	I	D	11.3197	27.1473	-108	- .8	+ .9	40 43 3.19	- 6 39.89	+ 5	- 2	-12	7	23.28	32.6
			16.3680	23.1507	- 12	+1.8	+1.3	40 33 31.59	+ 2 51.45	- 2	+ 45	+ 5	6	23.58	32.3
			17.7680	22.6917	+ 10	+ .1	- .3	40 38 27.38	- 2 4.51	+ 2	- 2	- 4	7	22.90	
			29.8953 ^{iv}	8.0533 ⁱⁱ	- 16	+2.8	+1.9	40 27 9.00	+ 9 12.18	+1.24	+ 69	+20	9	23.40	32.4
			28.7647	13.5567	+152	.0	.0	40 42 48.20	- 6 24.95	+ 7	0	-13	8	23.27	24.6

1894.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Dec. 23	I	D	21.6553	17.3987	- 19	-1.3	+ .3	$\overset{\circ}{40} \overset{'}{34} \overset{''}{35}.34$	+ 1 47.59	- 2	- 17	+ 4	9	$\overset{\circ}{40} \overset{'}{36} \overset{''}{22}.87$	$\overset{\circ}{}$
			27.7150	13.6193	+ 80	+ .9	- .6	$\overset{\circ}{40} \overset{'}{42} \overset{''}{19}.93$	- 5 56.64	+ 6	+ 7	-10	6	23.38	
			17.3803	20.7050	- 27	-1.2	- .7	$\overset{\circ}{40} \overset{'}{37} \overset{''}{47}.41$	- 1 24.00	+ 2	- 28	- 3	7	23.19	24.8
			16.6607	25.1977	+ 68	+ .2	- .8	$\overset{\circ}{40} \overset{'}{32} \overset{''}{46}.92$	+ 3 36.04	- 4	+ 13	+ 7	7	23.19	24.2
			23.5260	16.5450	+ 1	+1.0	+2.0	$\overset{\circ}{40} \overset{'}{33} \overset{''}{26}.16$	+ 2 56.53	- 3	+ 41	+ 5	6	23.18	
			28.7133	12.9107	+112	-1.1	-1.4	$\overset{\circ}{40} \overset{'}{43} \overset{''}{4}.33$	- 6 39.88	+ 7	- 35	-12	7	24.12	
Dec. 27	I	R	23.3290	16.5903	- 4	+ .1	+1.0	$\overset{\circ}{40} \overset{'}{33} \overset{''}{32}.52$	+ 2 50.39	- 3	+ 14	+ 5	6	23.13	24.4
			22.5357	17.5483	+ 2	+1.3	+ .5	$\overset{\circ}{40} \overset{'}{38} \overset{''}{28}.19$	- 2 6.12	+ 2	+ 27	- 4	7	22.39	
			9.4103 ⁱⁱ	31.2567 ^{iv}	+ 4	+1.9	+ .4	$\overset{\circ}{40} \overset{'}{27} \overset{''}{9}.55$	+ 9 12.43	+1.15	+ 35	+20	9	23.77	24.4
			12.6830	27.9537	+ 42	+2.9	+1.7	$\overset{\circ}{40} \overset{'}{42} \overset{''}{48}.58$	- 6 26.25	+ 7	+ 68	-13	8	23.03	17.8
			18.5187	22.7807	+ 24	.0	- .3	$\overset{\circ}{40} \overset{'}{34} \overset{''}{35}.71$	+ 1 47.83	- 2	- 4	+ 4	9	23.61	
			13.3250	27.4487	+ 46	+1.9	+1.5	$\overset{\circ}{40} \overset{'}{42} \overset{''}{20}.32$	- 5 57.26	+ 6	+ 49	-10	6	23.57	18.4
Dec. 28	I	D	23.7157	20.3860	+ 59	+2.4	+1.0	$\overset{\circ}{40} \overset{'}{37} \overset{''}{47}.78$	- 1 24.35	+ 2	+ 51	- 3	7	24.00	18.2
			24.3573	15.8163	+ 6	-1.9	- .2	$\overset{\circ}{40} \overset{'}{32} \overset{''}{47}.25$	+ 3 35.99	- 4	- 33	+ 7	7	23.01	
			16.2430	23.2077	- 19	+2.1	+2.0	$\overset{\circ}{40} \overset{'}{33} \overset{''}{26}.49$	+ 2 56.07	- 3	+ 59	+ 5	6	23.23	
			12.9983	28.8710	+131	+ .5	+2.2	$\overset{\circ}{40} \overset{'}{43} \overset{''}{4}.63$	- 6 41.70	+ 7	+ 36	-13	7	23.30	18.3
			17.4077	24.1670	+ 46	+ .7	+ .9	$\overset{\circ}{40} \overset{'}{33} \overset{''}{32}.79$	+ 2 51.04	- 3	+ 23	+ 5	6	24.14	
			17.5133	22.4287	- 2	-2.7	- .7	$\overset{\circ}{40} \overset{'}{38} \overset{''}{28}.41$	- 2 4.29	+ 2	- 52	- 4	7	23.65	a
Dec. 31	I	R	29.9113 ^{iv}	8.0893 ⁱⁱ	- 16	-1.1	+ .5	$\overset{\circ}{40} \overset{'}{27} \overset{''}{9}.72$	+ 9 11.77	+1.15	- 11	+20	9	22.82	18.5
			27.4567	12.1920	- 24	- .1	+ .9	$\overset{\circ}{40} \overset{'}{42} \overset{''}{48}.71$	- 6 25.94	+ 7	+ 10	-13	8	22.89	11.8
			21.7910	17.5467	- 13	-1.6	+ .1	$\overset{\circ}{40} \overset{'}{34} \overset{''}{35}.84$	+ 1 47.29	- 2	- 24	+ 4	9	23.00	
			27.5537	13.5117	+ 65	- .3	-2.8	$\overset{\circ}{40} \overset{'}{42} \overset{''}{20}.46$	- 5 55.24	+ 6	- 41	-10	6	[24.83]	c
			17.9263	21.2357	- 14	-1.0	-1.8	$\overset{\circ}{40} \overset{'}{37} \overset{''}{47}.91$	- 1 23.65	+ 2	- 39	- 3	7	23.93	12.7
			15.7367	24.2853	+ 2	+1.7	- .1	$\overset{\circ}{40} \overset{'}{32} \overset{''}{47}.38$	+ 3 36.17	- 4	+ 26	+ 7	7	23.91	
1895 Jan. 1	I	D	22.3817	15.3710	- 68	-3.0	-1.6	$\overset{\circ}{40} \overset{'}{33} \overset{''}{26}.62$	+ 2 57.11	- 3	- 68	+ 5	6	23.13	
			25.7943	9.9383	-295	+ .5	.0	$\overset{\circ}{40} \overset{'}{43} \overset{''}{4}.75$	- 6 40.21	+ 7	+ 8	-12	7	24.64	12.7
			23.6317	16.9030	+ 15	-1.5	- .3	$\overset{\circ}{40} \overset{'}{33} \overset{''}{32}.90$	+ 2 50.18	- 3	- 28	+ 5	6	22.88	11.6
			22.7480	17.3887	+ 3	+1.9	+1.8	$\overset{\circ}{40} \overset{'}{38} \overset{''}{28}.51$	- 2 15.53	+ 2	+ 53	- 4	7	[13.56]	*
			8.9723 ⁱⁱ	30.8243 ^{iv}	- 1	- .5	-1.2	$\overset{\circ}{40} \overset{'}{27} \overset{''}{9}.81$	+ 9 12.56	+1.15	- 23	+20	9	23.58	12.5
			13.7370	28.9680	+185	- .4	- .5	$\overset{\circ}{40} \overset{'}{42} \overset{''}{49}.14$	- 6 25.61	+ 7	- 13	-13	8	23.42	19.9
1895 Jan. 4	I	R	18.6120	22.8310	+ 26	+2.4	+2.2	$\overset{\circ}{40} \overset{'}{34} \overset{''}{36}.26$	+ 1 46.75	- 2	+ 66	+ 4	9	23.78	
			12.8343	26.9697	- 14	-2.2	-1.8	$\overset{\circ}{40} \overset{'}{42} \overset{''}{20}.91$	- 5 57.40	+ 6	- 58	-10	6	22.95	
			23.4330	20.0983	+ 52	+ .5	- .1	$\overset{\circ}{40} \overset{'}{37} \overset{''}{48}.34$	- 1 24.46	+ 2	+ 6	- 3	7	24.00	18.7
			23.3743	14.8313	- 66	-1.9	- .1	$\overset{\circ}{40} \overset{'}{32} \overset{''}{47}.80$	+ 3 35.86	- 4	- 32	+ 7	7	23.44	
			15.4587	22.4487	- 64	+ .2	- .2	$\overset{\circ}{40} \overset{'}{33} \overset{''}{27}.05$	+ 2 56.59	- 3	0	+ 5	6	23.72	18.8
			12.3710	28.2320	+ 41	-1.2	.0	$\overset{\circ}{40} \overset{'}{43} \overset{''}{5}.15$	- 6 41.18	+ 7	- 19	-12	7	23.80	18.6
1895 Jan. 10	I	D	15.7540	22.4727	- 53	+ .6	+ .6	$\overset{\circ}{40} \overset{'}{33} \overset{''}{33}.29$	+ 2 49.76	- 3	+ 17	+ 5	6	23.30	
			16.2697	21.2537	- 56	- .9	- .3	$\overset{\circ}{40} \overset{'}{38} \overset{''}{28}.88$	- 2 5.89	+ 2	- 18	- 4	7	22.86	18.5
			32.4810 ^{iv}	10.6620 ⁱⁱ	+ 26	- .4	+ .2	$\overset{\circ}{40} \overset{'}{27} \overset{''}{10}.14$	+ 9 11.80	+1.15	- 4	+20	9	23.34	18.6
			27.3300	12.0493	- 41	+ .1	+ .7	$\overset{\circ}{40} \overset{'}{42} \overset{''}{49}.26$	- 6 26.30	+ 7	+ 10	-13	8	23.08	19.4
			17.3180	13.0863	-197	-3.9	- .5	$\overset{\circ}{40} \overset{'}{34} \overset{''}{36}.38$	+ 1 46.51	- 2	- 69	+ 4	9	22.31	
			26.7593	12.5883	- 40	+2.7	+ .9	$\overset{\circ}{40} \overset{'}{42} \overset{''}{21}.05$	- 5 58.24	+ 6	+ 55	-10	6	23.38	
1895 Jan. 4	I	R	17.8997	21.2520	- 13	+1.1	- .7	$\overset{\circ}{40} \overset{'}{37} \overset{''}{48}.45$	- 1 24.74	+ 2	+ 8	- 3	7	23.85	19.9
			15.0610	23.6130	- 50	+ .7	+ .2	$\overset{\circ}{40} \overset{'}{32} \overset{''}{47}.90$	+ 3 36.13	- 4	+ 13	+ 7	7	24.26	
			23.1087	16.1227	- 24	- .8	- .2	$\overset{\circ}{40} \overset{'}{33} \overset{''}{27}.19$	+ 2 56.59	- 3	- 15	+ 5	6	23.71	
			26.6927	10.8273	-171	- .8	-1.1	$\overset{\circ}{40} \overset{'}{43} \overset{''}{5}.29$	- 6 40.75	+ 7	- 27	-12	7	24.29	19.7
			22.4273	15.7037	- 56	-1.6	- .5	$\overset{\circ}{40} \overset{'}{33} \overset{''}{33}.41$	+ 2 49.88	- 3	- 32	+ 5	6	23.05	19.2
			21.8467	16.8377	- 30	+ .1	+ .1	$\overset{\circ}{40} \overset{'}{38} \overset{''}{28}.99$	- 2 6.59	+ 2	+ 3	- 4	7	22.48	
1895 Jan. 4	I	R	7.9410 ⁱⁱ	29.7537 ^{iv}	- 31	+ .4	+ .3	$\overset{\circ}{40} \overset{'}{27} \overset{''}{10}.25$	+ 9 11.50	+1.15	+ 10	+20	9	23.29	19.1
			12.7233	28.0137	+ 48	+1.2	+ .2	$\overset{\circ}{40} \overset{'}{42} \overset{''}{49}.52$	- 6 26.77	+ 7	+ 22	-13	8	22.99	16.9
			20.9373	25.1270	+111	- .6	-1.6	$\overset{\circ}{40} \overset{'}{34} \overset{''}{36}.64$	+ 1 46.22	- 2	- 30	+ 4	9	22.67	
			12.8260	26.9897	- 12	- .8	- .4	$\overset{\circ}{40} \overset{'}{42} \overset{''}{21}.34$	- 5 58.12	+ 6	- 18	-10	6	23.06	
			22.1183	18.7570	+ 12	- .5	-1.9	$\overset{\circ}{40} \overset{'}{37} \overset{''}{48}.72$	- 1 25.03	+ 2	- 32	- 3	7	23.43	
			25.2397	16.7280	+ 72	+ .2	+1.1	$\overset{\circ}{40} \overset{'}{32} \overset{''}{48}.20$	+ 3 35.42	- 4	+ 17	+ 7	7	23.89	17.4
15.9023	22.8207	- 39	+5.8	+5.4	$\overset{\circ}{40} \overset{'}{33} \overset{''}{27}.48$	+ 2 54.85	- 3	+1.62	+ 5	6	24.03				

* Definition this evening very poor ; work not satisfactory.

1895.	Star.	P	Micrometer.		C	Levels.			$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.	
						A	B			Micrometer.	δ	l	r	Mer			
Jan.	4	I	7	R	12.0480	27.9453	0	— .8	+ .3	40 43 5.54	— 6 41.99	+ 7	— 9	—12	7	40 36 23.48	○
			8		16.6873	23.3590	+ 1	+ .9	+ .1	40 33 33.68	+ 2 48.71	— 3	+ 16	+ 5	6	22.63	16.0
			9		17.9463	22.9763	+ 21	— .1	+ .3	40 38 29.24	— 2 7.25	+ 2	+ 2	— 4	7	22.06	
Jan.	10				32.8960 ^{iv}	11.1133 ⁱⁱ	+ 33	— .3	+ .7	40 27 10.47	+ 9 10.90	+1.08	+ 4	+20	9	22.78	16.5
11	I	1	D		28.1667	12.8743	+ 68	— .7	— .8	40 42 50.18	— 6 26.87	+ 7	— 21	—13	8	23.12	34.4
			2		22.0477	17.8537	— 3	—1.5	— .2	40 34 37.29	+ 1 46.05	— 2	— 26	+ 4	9	23.19	
			3		27.6940	13.4890	+ 75	+3.1	+1.7	40 42 22.07	— 5 59.39	+ 6	+ 71	—10	6	23.41	
			4		17.7473	21.1730	— 17	+1.2	+ .2	40 37 49.40	— 1 26.58	+ 2	+ 22	— 3	7	23.10	
			5		15.6443	24.1290	— 7	.0	.0	40 32 48.85	+ 3 34.53	— 4	.0	+ 7	7	23.48	34.1
			6		21.6757	14.7347	—128	— .8	.0	40 33 28.15	+ 2 55.24	— 3	— 13	+ 5	6	23.34	34.1
			7		27.6503	11.7157	— 46	— .6	+ .7	40 43 6.16	— 6 42.82	+ 7	— 19	—12	7	23.17	33.9
			8		23.4493	16.7647	+ 5	— .6	+ .3	40 33 34.27	+ 2 49.04	— 3	— 5	+ 5	6	23.34	
			9		22.6323	17.6030	+ 5	+1.1	+1.9	40 38 29.79	— 2 7.19	+ 2	+ 42	— 4	7	23.07	
Jan.	14	I	10		9.0183 ⁱⁱ	30.7967 ^{iv}	— 1	+1.1	+ .7	40 27 10.93	+ 9 10.70	+1.08	+ 26	+20	9	23.26	33.8
			2	R	17.3153	21.4750	— 23	+ .6	.0	40 34 37.69	+ 1 45.13	— 2	+ 9	+ 4	9	23.02	23.1
			4		22.3587	18.9407	+ 21	+1.7	+ .2	40 37 49.83	— 1 26.48	+ 2	+ 30	— 3	6	23.70	22.8
			5		23.5180	15.0660	— 52	— .7	+ .8	40 32 49.28	+ 3 33.59	— 4	— 1	+ 7	7	22.96	
			7		13.4530	29.3813	+197	—1.5	+ .8	40 43 6.58	— 6 43.27	+ 7	— 14	—12	7	23.19	22.4
			8		16.3900	23.0763	— 17	+ .1	— .5	40 33 34.70	+ 2 49.03	— 3	— 5	+ 5	6	23.76	
			9		17.2883	22.3177	— 9	—1.9	— .5	40 38 30.20	— 2 7.15	+ 2	— 37	— 4	7	22.73	
Jan.	16	I	10		30.3397 ^{iv}	8.5730 ⁱⁱ	— 8	— .3	+ .4	40 27 11.30	+ 9 10.39	+1.08	.0	+20	9	23.06	22.4
			1	D	27.7560	12.4147	+ 10	+2.0	+ .7	40 42 50.79	— 6 27.96	+ 7	+ 41	—13	8	23.26	31.3
			2		22.0300	17.8737	— 2	— .5	.0	40 34 37.86	+ 1 45.09	— 2	— 8	+ 4	9	22.98	31.4
			3		28.0220	13.7917	+111	+1.6	+1.5	40 42 22.61	— 6 0.12	+ 6	+ 45	—10	6	22.96	
			4		16.3370	19.7907	— 59	+ .8	— .4	40 37 49.86	— 1 27.18	+ 2	+ 8	— 3	7	22.82	31.1
			5		17.3683	25.8183	+116	+1.0	— .3	40 32 49.50	+ 3 33.97	— 4	+ 12	+ 7	7	23.69	
			6		22.4147	15.5040	— 64	— .1	.0	40 33 28.84	+ 2 54.59	— 3	— 1	+ 5	6	23.50	
			7		26.7190	10.7427	—181	+1.5	+1.9	40 43 6.82	— 6 43.53	+ 7	+ 48	—12	7	23.79	
			8		22.4483	15.8057	— 51	— .5	+ .2	40 33 34.94	+ 2 47.84	— 3	— 5	+ 5	6	22.81	30.6
			9		22.5500	17.4913	+ 1	+1.8	+2.4	40 38 30.43	— 2 7.92	+ 2	+ 59	— 4	7	23.15	
Jan.	19	I	10		8.6340 ⁱⁱ	30.3773 ^{iv}	— 10	+1.6	+ .9	40 27 11.52	+ 9 9.79	+1.01	+ 37	+20	9	22.98	30.7
			1	R	10.7857	26.1690	—206	+2.7	+ .9	40 42 50.98	— 6 28.47	+ 7	+ 55	—13	8	23.08	21.5
			2		18.1623	22.3303	+ 9	—2.3	—3.3	40 34 38.10	+ 1 45.42	— 2	— 79	+ 4	9	22.84	
			3		13.0197	27.2393	+ 17	—3.0	— .7	40 42 22.97	— 5 59.61	+ 6	— 57	—10	6	22.81	
			4		21.0013	17.5693	— 22	— .4	—1.8	40 37 50.28	— 1 26.73	+ 2	— 29	— 3	7	23.32	21.5
			5		24.7470	16.2933	+ 38	—2.7	— .9	40 32 49.74	+ 3 33.86	— 4	— 55	+ 7	7	23.15	21.5
			6		17.0123	23.9127	+ 28	+ .8	— .1	40 33 29.09	+ 2 54.56	— 3	+ 11	+ 5	6	23.84	
			7		12.6543	28.6260	+ 89	— .4	+2.1	40 43 6.98	— 6 44.10	+ 7	+ 20	—12	7	23.10	21.1
			8		16.5393	23.1927	— 10	+ .2	— .3	40 33 35.18	+ 2 48.22	— 3	— 1	+ 5	6	23.47	
			9		18.5667	23.5733	+ 48	—1.1	— .8	40 38 30.67	— 2 6.72	+ 2	— 27	— 4	7	23.73	
Jan.	23	I	10		31.3033 ^{iv}	9.5243 ⁱⁱ	+ 4	—2.2	—1.5	40 27 11.73	+ 9 10.73	+1.01	— 54	+20	9	23.22	21.3
			1	D	28.1487	12.8023	— 63	+1.4	.0	40 42 51.29	— 6 28.22	+ 7	+ 22	—13	8	23.31	21.8
			2		19.9607	15.8017	— 78	—1.1	.0	40 34 38.42	+ 1 44.97	— 2	— 17	+40	9	23.69	
			3		27.9597	13.7597	+105	+ .8	— .7	40 42 23.32	— 5 59.34	+ 6	+ 4	—10	6	24.04	
			4		17.0320	20.4847	— 36	—1.5	— .2	40 37 50.63	— 1 27.22	+ 2	— 26	— 3	7	23.21	
			5		15.8827	24.3203	+ 8	+ .7	+1.0	40 32 50.08	+ 3 33.38	— 4	+ 24	+ 7	7	23.80	20.9
			6		23.9107	17.0240	+ 28	— .6	.0	40 33 29.46	+ 2 54.21	— 3	— 9	+ 5	6	23.66	
			7		27.4107	11.4513	— 80	— .2	+ .1	40 43 7.41	— 6 43.36	+ 7	— 2	—12	7	24.05	21.0
			8		21.6423	14.9897	— 98	—3.1	— .7	40 33 35.54	+ 2 47.97	— 3	— 59	+ 5	6	23.00	21.0
			9		22.2260	17.1660	— 15	+ .5	.0	40 38 31.01	— 2 7.91	+ 2	+ 8	— 4	7	23.23	20.6
Jan.	24	I	10		9.3280 ⁱⁱ	31.0920 ^{iv}	+ 1	— .4	—1.9	40 27 12.02	+ 9 10.34	+1.01	— 31	+20	9	23.35	
			1	R	12.8830	28.2007	+ 74	+ .1	— .8	40 42 51.40	— 6 27.52	+ 7	— 8	—13	8	23.82	18.6
			2		19.4427	23.5967	+ 56	—1.7	—2.3	40 34 38.54	+ 1 45.18	— 2	— 57	+ 4	9	23.26	
			3		12.4887	26.7293	— 48	—1.0	— .8	40 42 23.45	— 5 59.98	+ 6	— 26	—10	6	23.23	
			4		22.7650	19.3170	+ 30	+1.1	— .1	40 37 50.76	— 1 27.26	+ 2	+ 16	— 3	7	23.72	18.6

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.		Ther. mon.
						A	B		Micrometer.	δ	l	r	Mer			
Jan. 24	I	5 R	23.9523	16.5090	+ 13	-3.0	-1.1	40 32 50.20	+ 3 33.54	- 4	- 62	+ 7	7	40 36 23.22		
		6	13.9720	20.9187	-156	-4.1	-4.7	40 33 29.59	+ 2 55.26	- 3	-1.26	+ 5	6	23.67		
		7	12.9543	28.9067	+129	-1.2	+ .6	40 43 7.53	- 6 43.71	+ 7	- 12	-12	7	23.72	18.5	
		8	15.0560	21.6917	- 95	+ .6	+1.0	40 33 35.67	+ 2 47.56	- 3	+ 22	+ 5	6	23.53	18.4	
		9	17.9413	23.0197	- 21	+ .6	+ .6	40 38 31.14	- 2 8.36	+ 2	- 2	- 4	7	22.81		
Jan. 27	I	10	31.8540 ^{iv}	10.1080 ⁱⁱ	+ 15	-1.5	- .7	40 27 12.14	+ 9 9.92	+1.01	- 33	+20	9	23.03	18.3	
		1 D	28.6000	13.2353	+124	- .6	- .2	40 42 51.78	- 6 23.84	+ 9	- 12	-13	8	22.86	23.6	
		2	23.1777	19.0533	+ 40	- .3	.0	40 34 38.92	+ 1 44.39	- 2	- 5	+ 4	9	23.37		
		3	32.6637	18.4813	+690	- .0	- .9	40 42 23.87	- 6 0.37	+ 9	- 11	-10	6	23.44		
		4	18.9573	22.4080	+ 22	+ .4	- .2	40 37 51.18	- 1 27.31	+ 2	+ 4	- 3	7	23.97	23.1	
		5	15.1823	23.5960	- 53	+ .3	+ .6	40 32 50.63	+ 3 32.62	- 5	+ 12	+ 7	7	23.46		
		6	22.8593	16.0010	- 34	+ .6	+ .9	40 33 30.04	+ 2 53.34	- 4	+ 21	+ 5	6	23.66		
		7	26.0500	10.0343	-275	+ .3	+ .4	40 43 7.97	- 6 44.29	+ 10	+ 10	-13	7	23.82	23.1	
		8	22.5777	15.9770	- 40	-1.2	- .1	40 33 36.12	+ 2 46.81	- 4	- 21	+ 5	6	22.79		
		9	21.4150	16.3247	- 53	+ .9	+1.1	40 38 31.58	- 2 8.59	+ 3	+ 28	- 4	7	23.33		
	II	10	8.2177 ⁱⁱ	29.9533 ^{iv}	- 14	+ .2	- .5	40 27 12.55	+ 9 9.59	+ 98	- 3	+20	9	23.38	22.9	
		1 D	15.8943	21.5843	- 64	- .7	.0	40 38 47.07	- 2 23.72	+ 4	- 11	- 4	6	23.30	19.2	
		2	21.5067	17.1023	- 28	- .3	-1.5	40 38 15.13	- 1 51.80	+ 3	- 24	- 3	6	23.65		
		3	21.0307	17.8680	- 16	- .2	+ .6	40 35 3.66	+ 1 19.93	- 2	+ 4	+ 3	6	23.70	19.5	
		4	19.9253	18.4800	- 11	.0	.0	40 36 59.48	- 36.52	+ 1	0	- 1	7	23.03	19.2	
		5	17.9253	17.5993	- 7	+ .4	+ .4	40 36 15.19	+ 8.23	- 0	+ 11	0	8	23.61		
		6	32.1860 ^{iv}	9.9473 ⁱⁱ	+ 21	- .9	-1.1	40 45 47.03	- 9 22.40	- 97	- 28	-16	6	23.28		
		7	15.0667	26.2270	+ 63	- .7	- .1	40 41 5.03	- 4 42.37	+ 7	- 12	- 8	6	22.59	19.0	
Jan. 29	I	8	7.9793 ⁱⁱ	29.3463 ^{iv}	- 14	+ .5	+2.2	40 27 21.90	+ 9 0.27	+ 98	+ 36	+18	8	23.77	19.4	
		1 R	10.7350	26.1497	-209	+1.0	+1.2	40 42 51.97	- 6 29.25	+ 9	+ 31	-13	8	23.07	20.1	
Jan. 31	I	2	17.1220	21.2527	- 31	- .5	-1.1	40 34 39.13	+ 1 44.37	- 2	- 22	+ 4	9	23.39		
		1 R	12.0117	27.4050	- 39	+2.0	+ .9	40 42 52.09	- 6 29.15	+ 9	+ 43	-13	8	23.41	15.5	
		2	21.4953	25.5917	+128	- .2	- .6	40 34 39.26	+ 1 43.91	- 2	- 10	+ 4	9	23.18		
		3	12.3113	26.5757	- 69	-2.0	- .6	40 42 24.26	- 6 0.53	+ 9	- 39	-10	6	23.39		
		4	22.5010	19.0627	+ 24	-1.5	-2.6	40 37 51.57	- 1 27.00	+ 2	- 57	- 3	7	24.06		
		5	23.6550	15.2493	- 39	- .1	+ .2	40 32 51.04	+ 3 32.43	- 5	+ 1	+ 7	7	23.57	16.1	
		6	17.6210	24.4347	+ 60	+2.4	+1.9	40 33 30.49	+ 2 52.45	- 4	+ 63	+ 5	6	23.64		
		7	11.8893	27.8960	- 14	- .4	+ .6	40 43 8.41	- 6 44.72	+ 10	+ 1	-13	7	23.74	16.1	
		8	16.4380	23.0180	- 16	+1.1	+ .6	40 33 36.61	+ 2 46.34	- 4	+ 28	+ 5	6	23.30	15.7	
		9	17.6633	22.7730	+ 10	+ .8	- .8	40 38 32.06	- 2 9.23	+ 3	+ 3	- 4	7	22.92		
	II	10	30.3100 ^{iv}	8.5940 ⁱⁱ	- 8	- .5	+ .6	40 27 13.01	+ 9 9.11	+ 98	0	+20	9	23.39	16.3	
		1 R	22.4637	16.7440	- 21	+ .6	+ .2	40 38 46.80	- 2 24.58	+ 4	+ 12	- 4	6	22.40	10.1a	
		2	15.8703	20.3123	- 73	+2.8	+2.3	40 38 14.82	- 1 52.14	+ 3	+ 74	- 3	6	23.48		
		3	18.4393	21.6007	- 2	+1.2	+1.2	40 35 3.29	+ 1 19.94	- 2	+ 35	+ 3	6	23.65	10.7	
		4	21.8863	23.3047	+ 32	- .3	+ .8	40 36 59.09	- 35.95	+ 1	+ 5	- 1	7	23.26		
		5	21.4587	21.7863	+ 5	.0	- .5	40 36 14.76	+ 8.30	- 0	- 6	0	8	23.08		
		6	9.4237 ⁱⁱ	31.5883 ^{iv}	+ 8	-2.5	-3.1	40 45 46.54	- 9 20.49	- 97	- 79	-16	6	24.19		
		7	25.6877	14.5387	+ 9	+ .7	+ .6	40 41 4.47	- 4 41.94	+ 7	+ 18	- 8	6	22.76	10.0	
		8	30.5783 ^{iv}	9.2253 ⁱⁱ	- 1	+1.0	+2.3	40 27 21.36	+ 8 59.95	+ 98	+ 45	+18	8	23.00		
		9	22.2980	18.3067	+ 10	.0	+ .5	40 34 43.05	+ 1 40.95	- 2	+ 2	+ 3	6	24.09	9.7	
Feb 2	I	1 D	27.6977	12.3043	0	+1.5	+ .9	40 42 52.17	- 6 29.25	+ 9	+ 35	-13	8	23.31	18.2	
		2	20.6353	16.5093	- 53	- .6	- .6	40 34 39.36	+ 1 44.20	- 2	- 17	+ 4	9	23.50		
		3	26.3453	12.0487	- 99	+1.9	.0	40 42 24.37	- 6 1.26	+ 9	+ 30	-10	6	23.46	17.8	
		4	15.9030	19.3763	- 72	-2.3	-2.0	40 37 51.69	- 1 27.65	+ 2	- 62	- 3	7	23.48		
		5	17.9807	26.3413	+159	+2.2	+1.7	40 32 51.17	+ 3 31.81	- 5	+ 57	+ 7	7	23.64	17.4	
		6	23.3257	16.4673	- 8	-3.3	-1.5	40 33 30.63	+ 2 53.41	- 4	- 72	+ 5	6	23.39		
		7	25.2257	9.1673	-395	- .3	+1.5	40 43 8.55	- 6 45.07	+ 10	+ 14	-13	7	23.66		
		8	22.5727	15.9643	- 42	- .8	- .7	40 33 36.76	+ 2 47.00	- 4	- 22	+ 5	6	23.61	16.0	
		9	31.1257	15.9870	- 67	- .2	- .2	40 38 32.22	- 2 9.77	+ 3	- 5	- 4	7	22.46		
		10	7.8630 ⁱⁱ	29.5847 ^{iv}	- 18	- .7	-2.0	40 27 13.15	+ 9 9.23	+ 98	- 36	+20	9	23.29	16.6	

1895.	Star.	P	Micrometer.		C	Levels.			$\frac{1}{2}(\delta + \delta')$	Corrections.						Latitude.	Thermom.					
						A	B		Micrometer.	δ	l	r	Mer									
Feb.	2	II	1	D	12.2620	17.9823	-246	+1.2	+1.1	40 38 46.67	- 2 24.03	+	4	+	33	- 4	6	40 36' 23.03	11.4			
			2		21.6283	17.2390	- 24	-1.2	- .7	40 38 14.68	- 1 50.93	+	3	-	28	- 3	6	23.53				
			3		21.3300	18.1550	- 8	-1.7	-1.2	40 35 3.12	+ 1 20.27	-	2	-	43	+	3	6	23.03	11.5		
			4		20.6430	19.2583	- 1	-1.2	.0	40 36 58.91	- 35.01	+	1	-	19	- 1	7	23.78	11.4			
			6		32.3313 ^{iv}	10.1273 ⁱⁱ	+ 24	+1.4	+ .6	40 45 46.33	- 9 21.53	-	97	+	30	-16	6	24.03				
			7		12.8067	23.9533	-159	-2.7	-1.2	40 41 4.23	- 4 41.46	+	7	-	59	- 8	6	22.23	11.1			
			8		11.9183 ⁱⁱ	33.3260 ^{iv}	+ 32	-2.4	-1.9	40 27 21.12	+ 9 1.41	+	98	-	63	+18	8	23.14				
			9		18.5373	22.4990	+ 18	- .6	- .8	40 34 42.81	+ 1 40.22	-	2	-	19	+	3	6	22.91			
Mar.	3	I	10		13.3250	29.8420	+228	-1.2	-2.6	40 29 26.74	+ 6 58.24	-	10	-	53	+12	5	[24.52]	9.9*			
			1	R	12.2473	27.6790	- 4	+	.6	40 42 53.57	- 6 30.21	+	9	-	3	-13	8	23.37	36.8			
			2		18.6880	22.7387	+ 25	- .6	-1.4	40 34 41.01	+ 1 42.49	-	2	-	27	+	4	9	23.34			
			3		12.5803	36.9643	- 28	- .7	+	.4	40 42 26.32	- 6 3.65	+	9	-	6	-10	6	22.66			
			4		22.3317	18.7803	+ 17	+1.4	+	.4	40 37 53.74	- 1 29.85	+	2	+	27	- 3	7	24.22	36.6		
			5		24.4600	16.1720	+ 23	+	.7	+1.7	40 32 53.38	+ 3 29.63	-	5	+	33	+	7	23.43			
			6		15.5470	22.3117	- 65	- .4	- .8	40 33 33.12	+ 2 50.89	-	4	-	16	+	5	6	23.92			
			7		12.3530	28.4517	+ 55	-1.2	+	.2	40 43 11.05	- 6 47.22	+	10	-	17	-13	7	23.70	36.4		
			8		16.4237	22.9050	- 21	+	.4	+	.4	40 33 39.63	+ 2 43.84	-	4	+	11	+ 5	6	23.65	35.9	
			9		17.9977	23.2097	+ 28	+	.4	+	.4	40 38 35.12	- 2 11.87	+	3	+	11	- 4	7	23.42		
Mar.	5	I	10		32.6640 ^{iv}	9.0860 ⁱⁱ	+ 27	+	.2	+	.9	40 27 15.90	+ 9 5.71	+	98	+	14	+20	9	23.02	35.3	
			1	D	27.3560	11.9300	- 47	+	.2	- .9	40 42 53.60	- 6 29.95	+	9	-	8	-13	8	23.61	27.3		
			2		21.7860	17.7160	- 9	-3.4	-2.2	40 34 41.06	+ 1 42.89	-		-	82	+	4	9	23.24			
			3		27.8133	13.4457	+ 78	+2.9	+1.0	40 42 26.39	- 6 3.51	+	9	+	59	-10	6	23.52				
			4		17.3173	20.9617	- 28	-1.3	-1.4	40 37 53.82	- 1 32.08	+	2	-	39	- 3	7	[21.41]	†			
			5		15.3497	23.6647	- 35	+	.7	+	.2	40 32 53.46	+ 3 30.17	-	5	+	13	+	7	23.85	27.0	
			6		22.4010	15.6770	- 56	.0	+	.6	40 33 33.22	+ 2 49.89	-	4	+	7	+	5	6	23.25		
			7		28.1730	12.0843	+ 15	+	.9	.0	40 43 11.15	- 6 46.87	+	10	+	14	-13	7	24.46	26.7		
Mar.	6	I	10		8.8650 ⁱⁱ	30.4510 ^{iv}	- 3	+1.1	.0	40 27 16.04	+ 9 5.83	+	98	+	17	+20	9	23.31	26.7			
			1	R	12.5470	28.0190	+ 37	+1.7	+1.2	40 42 53.64	- 6 31.33	+	9	+	43	-13	8	22.78	34.9			
			3		12.6267	26.9953	- 26	- .3	+	.6	40 42 26.33	- 6 3.27	+	9	+	2	-10	6	23.13			
			4		23.3123	19.7583	+ 47	-1.6	-1.5	40 37 53.89	- 1 29.99	+	2	-	44	- 3	7	23.52	34.5			
Mar.	9	I	1	D	25.0603	9.5817	-362	- .1	- .1	40 42 53.78	- 6 30.49	+	9	-	3	-13	8	23.30	32.4			
			2		21.6117	17.5830	- 16	-1.0	-1.4	40 34 41.28	+ 1 41.83	-	2	-	34	+	4	9	22.88			
			3		26.3027	11.9287	-112	+1.5	+1.2	40 42 26.62	- 6 3.19	+	9	+	39	-10	6	23.87				
			4		14.8247	18.4367	-106	+1.2	+	.6	40 37 54.09	- 1 31.07	+	2	+	27	- 3	7	23.35			
			5		16.3457	24.6377	+ 33	+	.5	.0	40 32 53.76	+ 3 29.76	-	5	+	8	+	7	7	23.69	32.6	
			6		23.5247	16.7937	+ 9	-1.8	- .8	40 33 33.56	+ 2 50.23	-	4	-	39	+	5	6	23.47			
			7		27.8980	11.7807	- 23	+	.4	- .1	40 43 11.51	- 6 47.50	+	10	+	5	-13	7	24.10	32.9		
			8		23.5583	17.1097	+ 19	- .9	+	.6	40 33 40.17	+ 2 43.11	-	4	-	7	+	5	6	23.28		
			9		22.3167	17.0960	- 14	- .4	+	.5	40 38 35.68	- 2 11.98	+	3	-	0	- 4	7	23.76			
			10		9.3283 ⁱⁱ	30.8897 ^{iv}	+ 1	+1.1	- .7	40 27 16.33	+ 9 5.22	+	98	+	8	+19	9	22.89	33.4			
Mar.	10	I	1	R	11.4433	26.9020	-113	- .1	-1.0	40 42 53.80	- 6 30.61	+	9	-	18	-13	8	23.05	45.8			
			2		18.2213	22.2463	+ 8	-1.2	-1.0	40 34 41.30	+ 1 41.80	-	2	-	32	+	4	9	22.89			
			3		12.5077	26.8867	- 40	+	.6	+	.8	40 42 26.67	- 6 3.50	+	9	+	19	-10	6	23.41	44.9	
			4		23.2097	19.6057	+ 43	+1.0	+	.2	40 37 54.14	- 1 31.24	+	2	+	18	- 3	7	23.14			
			6		18.6473	25.3220	+115	+3.3	+2.2	40 33 33.64	+ 2 49.07	-	4	+	51	+	5	6	23.59	45.5		
Mar.	14	I	2	D	24.6397	20.6043	+ 91	+	.1	+	.2	40 34 41.30	+ 1 42.27	-	2	+	4	+	4	9	23.72	26.9a
			3		27.1607	12.7437	- 7	+1.8	+1.8	40 42 26.63	- 6 4.41	+	9	+	52	-10	6	22.79				
			4		17.1740	20.8133	- 33	-1.0	+	.2	40 37 54.14	- 1 31.94	+	2	+	18	- 3	7	22.44	26.9		
			1	R	22.4267	16.6587	- 24	+	.5	+	.9	40 38 48.23	- 2 25.79	+	4	+	19	- 4	6	23.69	26.0	
			2		17.2900	21.7560	- 19	+	.5	+1.5	40 33 16.00	- 1 52.88	+	3	+	27	- 3	6	23.45			
			3		18.6987	21.8340	+ 6	+1.0	+1.2	40 35 3.81	+ 1 19.30	-	2	+	31	+	3	6	23.49	25.9		
			4		20.0117	21.4213	+ 8	-2.3	- .5	40 36 59.17	- 35.66	+	1	-	44	- 1	7	23.14				
			5		22.0350	22.3830	+ 8	+	.7	+	.1	40 36 14.36	+	8.82	-	0	+	8	23.38			
			6		12.1123 ⁱⁱ	34.2917 ^{iv}	+ 63	-1.3	- .4	40 45 46.06	- 9 21.00	-	97	-	26	-16	6	23.73	25.6			
			7		25.4823	14.3967	- 4	+	.4	-1.3	40 41 3.31	- 4 40.31	+	7	-	10	- 8	6	22.95			

* Observation unsatisfactory.

† Light bad; observation hurried.

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Mar. 16	II 8	R	30.4617	9.0060	— 2	—1.7	— .6	40 27 19.88	+ 9 2.54	+ 98	— 35	+18	8	23.31	26.0
	9		22.4250	18.3803	+ 14	— .8	— .8	40 34 41.25	+ 1 42.31	— 2	— 23	+ 3	6	23.40	
Mar. 17	10		28.0770	11.5073	— 31	—2.3	—1.5	40 29 24.64	+ 6 58.92	— 10	— 56	+12	6	23.08	25.9
	I 3	R	12.6167	27.0033	— 7	+1.4	+1.6	40 42 26.60	— 6 3.77	+ 9	+ 43	—10	6	23.31	33.5
	4		21.3403	17.7350	— 15	+1.9	+ .5	40 37 54.13	— 1 31.13	+ 2	+ 37	— 3	7	23.43	
	5		24.7830	16.5123	+ 45	—1.0	— .4	40 32 53.88	+ 3 29.25	— 5	— 21	+ 7	7	23.01	
	6		17.2957	23.9987	+ 38	+ .2	+1.0	40 33 33.76	+ 2 49.59	— 4	+ 16	+ 5	6	23.58	33.1
	7		11.8850	28.0240	— 8	—1.0	— .0	40 43 11.74	+ 6 48.08	+ 10	— 16	—13	7	23.54	32.6
	8		17.2843	23.7133	+ 29	+1.3	+ .5	40 33 40.56	+ 2 42.64	— 4	+ 27	+ 5	6	23.54	32.4
	9		16.9730	22.2447	— 17	— .9	— .0	40 38 36.10	— 2 13.26	+ 3	— 14	— 4	7	22.76	
	10		31.6627 ^{iv}	10.1143 ⁱⁱ	+ 11	— .6	+ .5	40 27 16.88	+ 9 4.92	+ 98	— 3	+20	9	23.04	31.8
	I 1	D	15.2007	20.9533	— 97	+ .9	+1.0	40 38 43.36	— 2 25.22	+ 4	+ 27	— 4	6	23.47	28.6
	2		21.4597	17.0043	— 30	+ .4	— .0	40 38 16.13	— 1 52.59	+ 3	+ 6	— 3	6	23.66	
	3		20.9570	17.8377	— 17	+ .4	+ .2	40 35 3.94	+ 1 18.83	— 2	+ 9	+ 3	6	22.93	28.8
	4		23.4290	21.9887	+ 35	+ .9	+ .7	40 36 59.28	— 36.51	+ 1	+ 23	— 1	7	23.07	
	5		20.9400	20.6390	+ 2	+1.8	+1.1	40 36 14.46	+ 7.62	— 0	+ 43	— 0	8	22.59	
	6		30.8943 ^{iv}	8.6570 ⁱⁱ	— 5	+1.7	+2.1	40 45 46.17	— 9 22.30	— 97	+ 54	—16	6	23.34	
	7		13.3703	24.4960	—101	+ .8	+1.3	40 41 3.41	+ 4 41.08	+ 7	+ 29	— 8	6	22.67	28.9
	8		8.3517 ⁱⁱ	29.7993 ^{iv}	— 11	+2.1	— .0	40 27 19.96	+ 9 2.31	+ 98	+ 33	+18	8	23.84	
	9		18.1837	22.2187	+ 7	+1.7	+ .3	40 34 41.34	+ 1 42.05	— 2	+ 32	+ 3	6	23.78	
Mar. 18	10		11.8173	28.3390	+ 10	+2.6	+1.8	40 29 24.72	+ 6 57.81	— 10	+ 64	+12	6	23.25	30.2
	I 3	D	28.0747	13.7240	+112	+1.0	— .1	40 42 26.60	— 6 3.17	+ 9	+ 14	—10	6	23.62	38.5
	4		16.9647	20.5643	— 37	+ .7	+ .9	40 37 54.14	+ 1 30.93	+ 2	+ 22	— 3	7	23.49	
	5		17.3750	25.6083	+107	+ .1	+ .6	40 32 53.89	+ 3 28.46	— 5	+ 7	+ 7	7	22.51	*
	6		23.7020	16.9940	+ 22	— .1	+ 1.	40 33 33.78	+ 2 49.68	— 4	— 0	+ 5	6	23.53	
	7		29.4277	13.3203	+192	+ .1	— .3	40 43 11.76	— 6 47.79	+ 10	— 2	—13	7	23.99	37.9
	8		23.1690	16.7407	— 4	— .7	+ .2	40 33 40.60	+ 2 42.54	— 4	+ 8	+ 5	6	23.29	37.7
	9		23.7880	18.5453	+ 54	— .6	— .7	40 38 36.14	+ 2 12.71	+ 3	— 5	— 4	7	23.44	
	10		9.2433 ⁱⁱ	30.7753 ^{iv}	0	+2.3	+ .7	40 27 16.92	+ 9 4.47	+ 98	+ 46	+20	9	23.12	
	II 1	R	23.7623	18.0213	+ 46	+ .9	+ .2	40 38 48.48	— 2 25.29	+ 4	+ 17	— 4	6	23.42	33.1
	2		17.1533	21.6187	— 26	+ .4	— .3	40 38 16.25	— 1 52.85	+ 3	+ 2	— 3	6	23.48	
	3		19.3067	22.4300	+ 24	+1.5	+1.8	40 35 4.05	+ 1 19.04	— 2	+ 47	+ 3	6	23.63	32.6
	4		21.4093	22.8347	+ 28	—1.8	— .6	40 36 59.38	— 36.11	+ 1	— 36	— 1	7	22.98	
	5		21.4500	21.7903	+ 6	+ .6	+ .4	40 36 14.54	+ 8.62	— 0	+ 14	— 0	8	23.38	
	7		25.2077	14.1203	— 32	— .3	+ .1	40 41 3.49	— 4 40.28	+ 7	— 3	— 8	6	23.23	32.4
	8		32.0523 ^{iv}	10.6267 ⁱⁱ	+ 16	+1.1	+1.9	40 27 20.04	+ 9 1.82	+ 98	+ 42	+18	8	23.52	
	9		20.4513	16.4120	— 56	+ .2	+ .6	40 34 41.41	+ 1 42.00	— 2	+ 10	+ 3	6	23.58	
Mar. 19	10		28.7230	12.1987	+ 66	+ .4	+ .1	40 29 24.80	+ 6 58.01	— 10	+ 8	+12	6	22.97	31.8
	I 3	R	12.0263	26.4170	— 99	+1.5	+ .8	40 42 26.54	— 6 3.64	+ 9	+ 34	—10	6	23.29	39.8
	4		23.3787	19.7793	+ 51	+1.6	+ .7	40 37 54.15	— 1 31.15	+ 2	+ 35	— 3	7	23.41	39.8
	5		25.6827	17.4147	+112	—1.0	+ .3	40 32 53.91	+ 3 29.35	— 5	— 12	+ 7	7	23.23	
	6		18.2350	24.9093	+ 91	+2.9	+1.7	40 33 33.82	+ 2 49.00	— 4	+ 68	+ 5	6	23.57	
	7		11.7497	27.8927	— 25	+ .5	+ .5	40 43 11.81	+ 6 48.14	+ 10	+ 16	—13	7	23.87	39.4
	8		16.6220	23.0667	— 11	+ .1	— .5	40 33 40.65	+ 2 42.94	— 4	— 6	+ 5	6	23.60	38.4
	9		18.0033	23.2800	+ 31	+1.9	+1.8	40 38 36.21	— 2 13.51	+ 3	+ 53	— 4	7	23.29	
Mar. 21	10		31.7987 ^{iv}	10.2510 ⁱⁱ	+ 13	— .8	+ .4	40 27 16.98	+ 9 4.90	+ 98	— 8	+19	9	23.06	38.1
	I 5	D	15.1410	23.4293	— 53	— .0	— .2	40 32 53.96	+ 3 29.45	— 5	— 2	+ 7	7	23.48	35.4
	6		22.7027	16.0333	— 38	+1.8	+2.3	40 33 33.92	+ 2 48.55	— 4	+ 58	+ 5	6	23.12	
	7		27.9310	11.7730	— 25	— .2	+ .8	40 43 11.92	— 6 48.52	+ 10	— 13	+ 7	7	23.51	
	8		24.2203	17.8237	+ 58	+ .9	+2.0	40 33 40.79	+ 2 41.90	— 4	+ 40	+ 5	6	23.16	34.4
	9		22.1357	16.8437	— 24	+1.1	+ .6	40 38 36.36	— 2 13.76	+ 3	+ 25	— 4	7	22.91	
	10		8.7490 ⁱⁱ	30.2743 ^{iv}	— 6	+2.5	+1.9	40 27 17.14	+ 9 4.29	+ 98	+ 64	+19	9	23.33	34.5
	II 1	D	16.7303	22.5320	— 21	+ .8	+2.2	40 38 48.87	— 2 26.65	+ 4	+ 41	— 4	6	22.69	28.4
	2		22.2537	17.7503	— 0	+1.9	+1.1	40 38 16.63	— 1 53.88	+ 3	+ 44	— 3	6	23.25	
	3		22.3690	19.2720	— 23	+ .3	+1.1	40 35 4.39	+ 1 18.37	— 2	+ 19	+ 3	6	23.02	28.3

* Probably wrong star.

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.			Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer				
Mar.	21	II	4	D	22.4203	20.9437	+ 22	+ .6	+ .8	40 36 59.67	— 37.39	+ 1	+ 19	— 1	7	40 36 22.54	°
			5		20.0230	19.6970	— 1	— 1.4	— 1.1	40 36 14.80	+ 8.24	— 0	— 36	0	8	22.76	
			6		31.0887 ^{iv}	8.8497 ⁱⁱ	— 2	— .5	— 1.2	40 45 46.56	— 9 22.35	— 97	— 23	— 16	6	22.91	
			7		13.9030	25.0160	— 53	— .3	.0	40 41 3.75	— 4 40.88	+ 7	— 5	— 8	6	22.87	27.8
			8		8.0923 ⁱⁱ	29.5163 ^{iv}	— 14	— .4	+ .2	40 27 20.24	+ 9 1.71	+ 98	— 4	+ 18	8	23.15	27.6
			9		18.1470	22.1473	+ 5	+ 2.0	+ .4	40 34 41.62	+ 1 41.17	— 2	+ 37	+ 3	6	23.23	
Mar.	22	II	10		11.8230	28.3453	+ 11	+ 1.5	— .1	40 29 25.00	+ 6 57.82	— 10	+ 22	+ 12	6	23.12	27.6
			1	R	22.4517	16.6837	— 22	+ 1.3	+ 1.9	40 38 49.03	— 2 25.80	+ 4	+ 45	— 4	6	23.74	31.3
			2		18.1573	22.6370	+ 16	+ 1.8	+ 1.3	40 38 16.78	+ 1 53.32	+ 3	+ 45	— 3	6	23.97	
			3		25.7033	28.7683	+ 196	+ .1	— .5	40 35 4.54	+ 1 18.00	— 2	— 5	+ 3	6	22.56	31.3
			5		19.9747	20.2627	+ 2	+ 2.0	+ 1.7	40 36 14.91	+ 7.30	— 0	+ 67	0	8	22.96	31.3
			6		7.2643 ⁱⁱ	29.5137 ^{iv}	— 31	— .4	.0	40 45 46.68	— 9 22.54	— 1.01	— 6	— 16	6	22.97	30.9
			7		25.5847	14.4873	+ 3	— .2	— .2	40 41 3.85	+ 4 40.62	+ 7	— 5	— 8	6	23.23	30.5
			8		30.6460 ^v	9.2120 ⁱⁱ	— 1	— 1.6	— .5	40 27 20.33	+ 9 1.99	+ 1.02	— 32	+ 18	8	23.28	
			9		22.6443	18.6250	+ 22	+ .4	+ .7	40 34 41.71	+ 1 41.69	— 2	+ 15	+ 3	6	23.62	
Mar.	23	I	10		29.0357	12.5127	+ 109	+ .9	— .3	40 29 25.08	+ 6 58.09	— 10	+ 10	+ 12	6	23.35	30.8
			6	R	17.9890	24.6390	+ 78	+ 2.9	+ 2.1	40 33 34.04	+ 2 48.35	— 4	+ 73	+ 5	6	23.19	40.9
			7		13.6073	29.7520	+ 235	+ 1.5	+ 1.6	40 43 12.03	+ 6 48.84	+ 10	+ 45	— 13	7	23.68	39.9
			8		17.9277	24.3477	+ 65	+ .8	+ 1.5	40 33 40.96	+ 2 42.51	— 4	+ 32	+ 5	6	23.86	39.4
			9		18.6870	23 9640	+ 62	+ 1.4	+ .2	40 38 36.51	— 2 13.59	+ 3	+ 25	— 4	7	23.23	
Mar.	25	II	10		32.0287 ^{iv}	10.4970 ⁱⁱ	+ 16	— .2	— .1	40 27 17.32	+ 9 4.51	+ 1.07	— 4	+ 19	9	23.14	39.1
			1	D	17.3913	23.1977	+ 15	+ 1.6	+ 1.5	40 38 49.61	— 2 26.86	+ 4	+ 44	— 4	6	23.25	40.0
			2		21.9073	17.3787	— 14	+ .2	.0	40 38 17.35	— 1 54.48	+ 3	+ 3	— 3	6	22.96	
			3		21.0763	18.0010	— 13	.0	— .4	40 35 5.08	+ 1 17.73	— 2	— 5	+ 3	6	22.83	40.0
			4		20.4850	19.0217	— 2	— .2	+ .2	40 37 0.29	— 37.00	+ 1	— 0	— 1	7	23.36	39.6
			5		20.3453	20.0393	+ 2	+ .4	— .3	40 36 15.37	+ 7.74	— 0	+ 2	0	8	23.21	
			6		29.5543 ^{iv}	7.3140 ⁱⁱ	— 30	— .7	— 1.9	40 45.47.17	— 9 22.31	— 1.06	— 35	— 16	6	23.35	39.4
			7		15.0333	26.1467	+ 56	— 1.8	— .3	40 41 4.30	+ 4 41.16	+ 7	— 33	— 8	6	22.86	
			8		8.2597 ⁱⁱ	29.6753 ^{iv}	— 12	.0	— .1	40 27 20.72	+ 9 1.50	+ 1.07	— 2	+ 18	8	23.53	39.1
			9		21.4143	25.4190	+ 120	— .2	— .4	40 34 42.11	+ 1 41.57	— 2	— 8	+ 3	6	23.67	
Mar.	28	II	10		12.4927	29.0053	— 106	— .5	— .2	40 29 25.47	+ 6 57.28	— 10	— 10	+ 12	6	22.73	
			1	R	23.4780	17.6397	+ 29	+ .4	+ .1	40 38 50.27	— 2 27.70	+ 4	+ 8	— 4	6	22.71	31.5
			2		17.6227	22.1960	— 5	+ .9	+ 1.1	40 38 18.02	+ 1 55.63	+ 3	+ 28	— 3	6	22.73	
			3		19.4963	22.5150	+ 26	+ 2.7	+ 1.3	40 35 5.72	+ 1 16.40	— 2	+ 60	+ 3	6	22.79	31.2
			4		19.6317	21.1740	+ 3	— .2	+ 1.1	40 37 0.88	— 39.01	+ 1	+ 11	— 1	7	22.05	
			5		22.5147	22.7637	+ 6	+ .3	+ .1	40 36 15.92	+ 6.31	— 0	+ 6	0	8	22.37	31.5
			6		9.5123 ⁱⁱ	31.8087 ^{iv}	+ 12	— .4	+ 1.6	40 45 47.77	— 9 23.83	— 1.06	+ 14	— 16	6	22.92	31.6
			7		26.2230	15.0723	+ 62	+ 1.1	+ .1	40 41 4.87	+ 4 42.12	+ 7	+ 19	— 8	6	22.99	31.4
			8		32.2333 ^{iv}	10.8677 ⁱⁱ	+ 18	+ .3	+ .8	40 27 21.23	+ 9 0.31	+ 1.07	+ 15	+ 18	8	23.02	
			9		22.8273	18.8500	+ 30	+ .4	+ .2	40 34 42.65	+ 1 40.65	— 2	+ 9	+ 3	6	23.46	
Apl.	10	II	10		29.0003	12.5137	+ 106	— 1.6	— .6	40 29 26.00	+ 6 57.16	— 10	— 33	+ 12	6	22.91	31.1
			1	D	18.3873	23.3290	+ 36	+ .9	+ 1.4	40 38 52.88	— 2 30.34	+ 6	+ 32	— 4	6	22.94	36.4
			2		21.2993	16.6307	— 46	+ 2.4	+ 2.5	40 38 20.65	+ 1 57.94	+ 5	+ 70	— 3	6	23.49	
			3		20.4983	17.5670	— 24	+ 2.0	+ 2.4	40 35 8.29	+ 1 14.06	— 3	+ 62	+ 3	6	23.03	35.8
			4		21.0473	19.4480	+ 2	— .6	+ .6	40 37 3.23	— 0 40.45	+ 2	— 2	— 1	7	22.84	
			5		20.3713	20.2027	+ 1	+ 2.2	+ 2.4	40 36 18.13	+ 4.27	— 0	+ 66	0	8	23.14	
			6		31.2073 ^{iv}	8.8193 ⁱⁱ	— 1	+ 2.7	+ 1.8	40 45 50.22	— 9 26.12	— 97	+ 66	— 16	6	23.69	
			7		13.7890	25.0623	— 62	+ 2.0	+ 2.5	40 41 7.21	+ 4 44.91	+ 12	+ 64	— 8	6	23.04	35.1
			8		8.3083 ⁱⁱ	29.5890 ^{iv}	— 11	+ 1.9	+ 2.8	40 27 23.33	+ 8 58.09	+ 98	+ 66	+ 18	8	23.32	35.6
			9		14.4460	18.3273	— 122	+ 2.1	+ 1.7	40 34 44.85	+ 1 37.84	— 4	+ 55	+ 3	6	23.29	
Apl.	11	II	10		12.1687	28.5800	+ 54	+ .4	— 1.4	40 29 28.21	+ 6 55.12	— 17	— 11	+ 12	6	23.23	35.5
			1	R	24.9387	19.0023	+ 103	+ .2	+ 1.8	40 38 53.12	— 2 30.37	+ 6	+ 26	— 4	6	23.09	35.9
			2		17.1537	21.7933	— 22	.0	— .5	40 38 20.89	+ 1 57.26	+ 5	— 6	— 3	6	23.65	
			3		18.7727	21.7333	+ 7	— .9	— .7	40 35 8.53	+ 1 14.88	— 3	— 23	+ 3	6	23.24	35.0
			4		20.7417	22.3590	+ 23	+ .3	.0	40 37 3.46	— 40.95	+ 2	+ 5	— 1	7	22.64	

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.				
						A	B		Micrometer.	δ	l	r	Mer						
Apl. 11	II	5	R	21.5950	21.7847	+ 4	-1.7	-1.5	$\begin{smallmatrix} 40 & 36 & 18.34 \\ 40 & 36 & 18.34 \end{smallmatrix}$	+ 4.81	- 0	- 46	0	8	$\begin{smallmatrix} 40 & 36 & 22.77 \\ 40 & 36 & 22.77 \end{smallmatrix}$	35.0			
				9.5497 ⁱⁱ	31.9193 ^{iv}	+ 14	-1.9	-1.3	$\begin{smallmatrix} 40 & 45 & 50.45 \\ 40 & 45 & 50.45 \end{smallmatrix}$	- 9 25.69	- 97	- 47	-16	6	23.22				
				26.9000	15.6823	+126	- .4	- .8	$\begin{smallmatrix} 40 & 41 & 7.45 \\ 40 & 41 & 7.45 \end{smallmatrix}$	- 4 43.98	+ 12	- 16	- 8	6	23.41				
				32.5597 ^{iv}	11.2733 ⁱⁱ	+ 23	-1.0	- .2	$\begin{smallmatrix} 40 & 27 & 23.54 \\ 40 & 27 & 23.54 \end{smallmatrix}$	+ 8 58.32	+ 98	- 18	+18	8	22.92				
				22.6130	18.7257	+ 23	- .8	.0	$\begin{smallmatrix} 40 & 34 & 45.07 \\ 40 & 34 & 45.07 \end{smallmatrix}$	+ 1 38.36	- 4	- 13	+ 3	6	23.35				
Apl. 14	II	10	D	30.6600	14.3023	+354	+ .5	+ .6	$\begin{smallmatrix} 40 & 29 & 28.42 \\ 40 & 29 & 28.42 \end{smallmatrix}$	+ 6 54.53	- 17	+ 15	+12	6	23.11	35.0			
				17.9547	23.8813	+ 49	-1.2	- .6	$\begin{smallmatrix} 40 & 38 & 53.77 \\ 40 & 38 & 53.77 \end{smallmatrix}$	- 2 29.99	+ 6	- 27	- 4	6	23.59	43.5			
				22.7533	18.0990	+ 17	-1.6	-2.2	$\begin{smallmatrix} 40 & 38 & 21.56 \\ 40 & 38 & 21.56 \end{smallmatrix}$	- 1 57.74	+ 5	- 53	- 3	6	23.37	42.7			
				18.6480	15.6957	- 73	-2.4	-1.1	$\begin{smallmatrix} 40 & 35 & 9.20 \\ 40 & 35 & 9.20 \end{smallmatrix}$	+ 1 14.47	- 3	- 52	+ 3	6	23.21				
				22.4910	20.8690	+ 24	+ .7	+ .8	$\begin{smallmatrix} 40 & 37 & 4.08 \\ 40 & 37 & 4.08 \end{smallmatrix}$	- 41.08	+ 2	+ 21	- 1	7	23.29				
		5	6	7	8	9	20.9853	20.8250	+ 1	- .9	- .2	$\begin{smallmatrix} 40 & 36 & 18.94 \\ 40 & 36 & 18.94 \end{smallmatrix}$	+ 4.06	- 0	- 17	0	8	22.91	
							31.1033 ^{iv}	8.7117 ⁱⁱ	- 4	- .7	- .7	$\begin{smallmatrix} 40 & 45 & 51.12 \\ 40 & 45 & 51.12 \end{smallmatrix}$	- 9 26.20	- 97	- 20	-16	6	23.65	
							15.3093	26.5577	+ 91	- .6	.0	$\begin{smallmatrix} 40 & 41 & 8.11 \\ 40 & 41 & 8.11 \end{smallmatrix}$	- 4 44.67	+ 12	- 9	- 8	6	23.45	42.6
							8.5440 ⁱⁱ	29.8497 ^{iv}	- 9	-2.2	- .5	$\begin{smallmatrix} 40 & 27 & 24.14 \\ 40 & 27 & 24.14 \end{smallmatrix}$	+ 8 58.73	+ 98	- 42	+18	8	23.69	
							16.9377	20.8213	- 40	+1.5	- .2	$\begin{smallmatrix} 40 & 34 & 45.72 \\ 40 & 34 & 45.72 \end{smallmatrix}$	+ 1 38.10	- 4	+ 21	+ 3	6	24.08	
Apl. 15	II	10	R	11.9623	28.3213	+ 20	+1.3	- .3	$\begin{smallmatrix} 40 & 29 & 29.09 \\ 40 & 29 & 29.09 \end{smallmatrix}$	+ 6 53.72	- 17	+ 17	+12	6	22.99	42.6			
				24.5263	18.5713	+ 81	+ .4	+ .9	$\begin{smallmatrix} 40 & 38 & 53.97 \\ 40 & 38 & 53.97 \end{smallmatrix}$	- 2 30.79	+ 6	+ 21	- 4	6	23.47	43.1			
				17.1363	21.8383	- 22	+ .5	+ .8	$\begin{smallmatrix} 40 & 38 & 21.75 \\ 40 & 38 & 21.75 \end{smallmatrix}$	- 1 58.84	+ 5	+ 18	- 3	6	23.17				
				19.1570	22.0747	+ 16	+2.0	+ .2	$\begin{smallmatrix} 40 & 35 & 9.40 \\ 40 & 35 & 9.40 \end{smallmatrix}$	+ 1 13.82	- 3	+ 34	+ 3	6	23.62	42.6			
				17.4787	23.4730	+ 27	+ .6	+1.0	$\begin{smallmatrix} 40 & 38 & 54.59 \\ 40 & 38 & 54.59 \end{smallmatrix}$	- 2 31.64	+ 6	+ 22	- 4	6	23.25	44.4			
Apl. 18	II	2	3	4	5	6	23.2750	18.5763	+ 39	.0	- .2	$\begin{smallmatrix} 40 & 38 & 22.40 \\ 40 & 38 & 22.40 \end{smallmatrix}$	- 1 58.91	+ 5	- 2	- 3	6	23.55	44.3
							22.1453	19.2530	+ 17	+1.2	+ .3	$\begin{smallmatrix} 40 & 35 & 10.04 \\ 40 & 35 & 10.04 \end{smallmatrix}$	+ 1 13.18	- 3	+ 23	+ 3	6	23.51	
							20.7513	22.4147	+ 23	-2.0	- .6	$\begin{smallmatrix} 40 & 37 & 4.83 \\ 40 & 37 & 4.83 \end{smallmatrix}$	- 42.12	+ 2	- 39	- 1	7	22.40	44.6
							20.8557	21.0330	+ 1	-2.4	-2.3	$\begin{smallmatrix} 40 & 36 & 19.66 \\ 40 & 36 & 19.66 \end{smallmatrix}$	+ 4.49	- 0	- 68	0	8	23.55	
							8.2493 ⁱⁱ	30.6890 ^{iv}	- 11	- .2	+2.5	$\begin{smallmatrix} 40 & 45 & 51.93 \\ 40 & 45 & 51.93 \end{smallmatrix}$	- 9 27.40	- 97	+ 29	-16	6	23.75	
		7	8	9	10	1	26.2590	14.9513	+ 60	+ .9	+ .8	$\begin{smallmatrix} 40 & 41 & 8.91 \\ 40 & 41 & 8.91 \end{smallmatrix}$	- 4 46.09	+ 12	+ 24	- 8	6	23.16	42.9
							33.6620 ^{iv}	12.4170 ⁱⁱ	+ 34	+1.1	- .7	$\begin{smallmatrix} 40 & 27 & 24.85 \\ 40 & 27 & 24.85 \end{smallmatrix}$	+ 8 57.30	+ 98	+ 8	+18	8	23.47	
							22.4220	18.5810	+ 17	-1.9	- .6	$\begin{smallmatrix} 40 & 34 & 46.48 \\ 40 & 34 & 46.48 \end{smallmatrix}$	+ 1 37.17	- 4	- 38	+ 3	6	23.32	
							29.2090	12.8933	+149	-1.0	- .9	$\begin{smallmatrix} 40 & 29 & 29.87 \\ 40 & 29 & 29.87 \end{smallmatrix}$	+ 6 52.95	- 17	- 27	+12	6	22.56	42.1
							22.9717	16.9717	- 2	+ .8	+ .3	$\begin{smallmatrix} 40 & 38 & 54.83 \\ 40 & 38 & 54.83 \end{smallmatrix}$	- 2 31.72	+ 6	+ 17	- 4	6	23.36	55.6
Apl. 19	II	2	3	4	5	6	18.0680	22.8080	+ 19	- .2	+ .9	$\begin{smallmatrix} 40 & 38 & 22.63 \\ 40 & 38 & 22.63 \end{smallmatrix}$	- 1 59.91	+ 5	+ 8	- 3	6	22.88	
							18.5833	21.4753	0	+ .4	+3.1	$\begin{smallmatrix} 40 & 35 & 10.27 \\ 40 & 35 & 10.27 \end{smallmatrix}$	+ 1 13.13	- 3	+ 46	+ 3	6	23.92	54.4c
							20.9577	19.2967	+ 1	- .6	+ .6	$\begin{smallmatrix} 40 & 37 & 5.06 \\ 40 & 37 & 5.06 \end{smallmatrix}$	- 42.00	+ 2	- 2	- 1	7	23.12	
							20.3087	20.1617	- 0	- .8	- .7	$\begin{smallmatrix} 40 & 36 & 19.87 \\ 40 & 36 & 19.87 \end{smallmatrix}$	+ 3.72	- 0	- 22	0	8	23.45	53.4
							30.3723 ^{iv}	7.9133 ⁱⁱ	- 17	+ .3	- .3	$\begin{smallmatrix} 40 & 45 & 52.16 \\ 40 & 45 & 52.16 \end{smallmatrix}$	- 9 27.87	- 97	+ 1	-16	6	23.23	
		7	8	9	10	1	15.1640	26.4753	+ 81	- .2	.0	$\begin{smallmatrix} 40 & 41 & 9.13 \\ 40 & 41 & 9.13 \end{smallmatrix}$	- 4 46.23	+ 12	- 3	- 8	6	22.97	53.3
							8.1767 ⁱⁱ	29.4340 ^{iv}	- 12	- .7	.0	$\begin{smallmatrix} 40 & 27 & 25.05 \\ 40 & 27 & 25.05 \end{smallmatrix}$	+ 8 57.50	+ 98	- 11	+18	8	23.68	53.0
							17.0670	20.9057	- 33	+ .1	- .6	$\begin{smallmatrix} 40 & 34 & 46.69 \\ 40 & 34 & 46.69 \end{smallmatrix}$	+ 1 36.98	- 4	- 6	+ 3	6	23.66	
							12.3223	28.6427	+ 68	+1.0	- .2	$\begin{smallmatrix} 40 & 29 & 30.08 \\ 40 & 29 & 30.08 \end{smallmatrix}$	+ 6 52.86	- 17	+ 13	+12	6	23.08	
							16.7740	22.7653	- 13	-2.0	-1.9	$\begin{smallmatrix} 40 & 39 & 55.08 \\ 40 & 39 & 55.08 \end{smallmatrix}$	- 2 31.47	+ 6	- 56	- 4	6	23.13	45.2
Apl. 20	II	2	3	4	5	6	22.5360	17.8183	+ 8	-2.0	-2.5	$\begin{smallmatrix} 40 & 38 & 22.89 \\ 40 & 38 & 22.89 \end{smallmatrix}$	- 1 59.32	+ 5	- 64	- 3	6	23.01	
							21.3860	18.4987	- 2	- .2	- .3	$\begin{smallmatrix} 40 & 35 & 10.52 \\ 40 & 35 & 10.52 \end{smallmatrix}$	+ 1 13.01	- 3	- 7	+ 3	6	23.52	46.2
							19.6467	21.3227	+ 5	- .2	+ .2	$\begin{smallmatrix} 40 & 37 & 5.29 \\ 40 & 37 & 5.29 \end{smallmatrix}$	- 42.39	+ 2	- 0	- 1	7	22.98	45.1
							21.4690	21.6057	+ 1	- .4	- .8	$\begin{smallmatrix} 40 & 36 & 20.09 \\ 40 & 36 & 20.09 \end{smallmatrix}$	+ 3.46	- 0	- 16	0	8	23.47	
							8.5290 ⁱⁱ	30.9840 ^{iv}	- 6	-1.9	.0	$\begin{smallmatrix} 40 & 45 & 52.41 \\ 40 & 45 & 52.41 \end{smallmatrix}$	- 9 27.80	- 97	- 30	-16	6	23.24	
		7	8	9	10	1	25.8120	14.4667	+ 12	+ .3	.0	$\begin{smallmatrix} 40 & 41 & 9.38 \\ 40 & 41 & 9.38 \end{smallmatrix}$	- 4 46.92	+ 12	+ 5	- 8	6	22.61	44.4
							32.5640 ^{iv}	11.3090 ⁱⁱ	+ 23	-1.1	- .7	$\begin{smallmatrix} 40 & 27 & 25.27 \\ 40 & 27 & 25.27 \end{smallmatrix}$	+ 8 57.53	+ 98	- 26	+18	8	23.78	45.4
							24.5520	20.7273	+ 89	-1.6	- .9	$\begin{smallmatrix} 40 & 34 & 46.92 \\ 40 & 34 & 46.92 \end{smallmatrix}$	+ 1 36.94	- 4	- 37	+ 3	6	23.54	
							28.4423	12.1330	+ 41	+ .3	- .4	$\begin{smallmatrix} 40 & 29 & 30.32 \\ 40 & 29 & 30.32 \end{smallmatrix}$	+ 6 52.51	- 17	0	+12	6	22.84	44.9
							23.8867	17.8707	+ 47	- .6	+ .2	$\begin{smallmatrix} 40 & 38 & 55.35 \\ 40 & 38 & 55.35 \end{smallmatrix}$	- 2 32.24	+ 6	- 7	- 4	6	23.12	47.3
Apl. 21	II	2	R	18.1757	22.8960	+ 22	-1.7	- .9	$\begin{smallmatrix} 40 & 38 & 23.16 \\ 40 & 38 & 23.16 \end{smallmatrix}$	- 1 59.42	+ 5	- 39	- 3	6	23.43				
				19.0743	21.9520	+ 13	-1.0	- .8	$\begin{smallmatrix} 40 & 35 & 10.79 \\ 40 & 35 & 10.79 \end{smallmatrix}$	+ 1 12.80	- 3	- 26	+ 3	6	23.39	47.8			
				21.7153	20.0293	+ 12	- .2	+ .4	$\begin{smallmatrix} 40 & 37 & 5.54 \\ 40 & 37 & 5.54 \end{smallmatrix}$	- 42.66	+ 2	+ 2	- 1	7	22.98	47.4			
				24.5763	24.4523	+ 4	-1.2	-1.4	$\begin{smallmatrix} 40 & 36 & 20.34 \\ 40 & 36 & 20.34 \end{smallmatrix}$	+ 3.15	- 0	- 37	0	8	23.20				
				31.0857 ^{iv}	8.6297 ⁱⁱ	- 5	+ .4	- .2	$\begin{smallmatrix} 40 & 45 & 52.68 \\ 40 & 45 & 52.68 \end{smallmatrix}$	- 9 27.83	- 97	+ 4	-16	6	23.82				

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Apl. 21	II	7 D	13.8827	26.2357	- 43	-2.3	-1.2	40 41 9.63	- 4 46.97	+ 12	- 52	- 8	6	40 36 22.24	47.4
		8	9.2260 ⁱⁱ	30.4457 ^{iv}	- 1	+ .4	+ .1	40 27 25.51	+ 8 56.57	+ 98	+ 8	+ 18	8	23.40	
		9	18.1303	21.9447	+ 1	-1.0	- .9	40 34 47.18	+ 1 36.46	- 4	- 27	+ 3	6	23.42	46.6
Apl. 23	II	10	12.5253	28.8113	+ 93	+1.1	+ .4	40 29 30.57	+ 6 52.06	- 17	+ 22	+ 12	6	22.86	
		1 D	17.1100	23.1430	+ 6	-1.0	-1.2	40 38 55.90	- 2 32.57	+ 6	- 31	- 4	6	23.10	47.3
		2 D	21.8953	17.1347	- 21	- .2	-1.4	40 38 23.73	- 2 0.33	+ 5	- 21	- 5	6	23.25	
		3 D	22.5500	19.7070	+ 28	+ .2	- .2	40 35 11.36	+ 1 11.96	- 3	0	+ 2	6	23.37	46.1
		4 R	18.3003	20.0163	- 13	-2.0	- .1	40 37 6.08	- 43.36	+ 2	- 33	- 2	7	22.46	
		5	21.3387	21.4420	+ 2	-1.2	-1.9	40 36 20.85	+ 2.62	- 0	- 44	0	8	23.11	45.4
		6	9.1953 ⁱⁱ	31.6677 ^{iv}	+ 9	+ .4	- .8	40 45 53.24	- 9 28.28	-1.05	- 3	-17	6	23.77	
		7	25.5317	14.1977	- 13	- .8	- .8	40 41 10.18	- 4 46.57	+ 12	- 23	- 9	6	23.47	45.7
		8	31.4723 ^{iv}	10.2647 ⁱⁱ	+ 8	- .1	+ .6	40 27 26.02	+ 8 56.29	+1.06	+ 6	+ 18	8	23.69	
May 1	II	9	23.5970	20.7940	+ 55	- .1	- .2	40 34 47.72	+ 1 36.30	- 4	- 4	+ 3	6	24.03	
		10	27.4743	11.1867	- 95	- .3	0	40 29 31.13	+ 6 51.62	- 17	- 5	+ 12	6	22.71	45.6
		1 R	23.7223	17.5903	+ 36	+2.7	+2.5	40 33 57.69	- 2 35.15	+ 6	+ 75	- 4	6	23.37	
		2 R	17.9663	22.8263	+ 18	-1.0	- .2	40 38 25.57	- 2 2.94	+ 5	- 18	- 3	6	22.53	
		3 R	17.7720	20.5350	- 19	-1.1	-1.0	40 35 13.25	+ 1 9.82	- 3	- 30	+ 3	6	22.83	47.4
		4 D	21.9757	20.1610	+ 17	+1.2	+ .7	40 37 7.85	- 45.93	+ 2	+ 28	- 2	7	22.27	47.5
		5	21.7280	21.7187	0	+1.4	- .3	40 36 22.56	+ 0.24	- 0	+ 18	0	8	23.06	
		6	32.1960 ^{iv}	9.6530 ⁱⁱ	+ 19	- .4	-1.5	40 45 55.17	- 9 30.09	-1.05	- 25	-17	6	23.67	47.2
		7	15.8513	27.2973	+157	+2.7	+1.7	40 41 12.13	- 4 49.83	+ 12	+ 65	- 9	6	23.04	46.1
		8	9.7507 ⁱⁱ	30.8627 ^{iv}	+ 2	+ .7	+ .5	40 27 27.80	+ 8 53.86	+1.06	+ 17	+ 18	8	23.15	
May 3	II	9	19.8513	23.5603	+ 58	- .4	- .8	40 34 49.63	+ 1 33.94	- 4	- 17	+ 3	6	23.45	
		10	13.1827	29.3587	+180	+1.2	- .3	40 29 33.10	+ 6 49.49	- 17	+ 16	+ 12	6	22.76	
		1 D	18.0827	24.2100	+ 62	+1.7	+ .4	40 38 58.16	- 2 35.10	+ 6	+ 32	- 4	6	23.46	
		2 D	23.2250	18.3437	+ 33	+1.1	+1.2	40 38 26.04	- 2 3.52	+ 5	+ 33	- 3	6	22.93	
		3 D	21.9130	19.1710	+ 13	-1.1	- .9	40 35 13.72	+ 1 9.37	- 3	- 28	+ 2	6	22.86	62.6
		4 R	18.4170	20.2183	- 11	+1.7	+ .5	40 37 8.29	- 45.52	+ 2	+ 34	- 2	7	23.18	
		5	22.4593	22.4613	0	+ .2	- .3	40 36 22.98	+ .05	- 0	0	0	8	23.11	
		6	8.5070 ⁱⁱ	31.0853 ^{iv}	- 6	- .9	-1.3	40 45 55.64	- 9 30.92	-1.05	- 31	-17	6	23.25	
		7	28.1683	16.7253	+241	+ .5	-1.6	40 41 12.61	- 4 49.97	+ 12	- 12	- 9	6	22.61	62.0
		8	32.6077 ^{iv}	11.5147 ⁱⁱ	+ 21	+ .9	+1.5	40 27 28.23	+ 8 53.43	+1.06	+ 33	+ 18	8	23.31	
May 6	II	9	24.8893	21.2267	+100	+1.0	+1.3	40 34 50.10	+ 1 32.87	- 4	+ 32	+ 3	6	23.34	^d
		1 R	24.3623	18.2123	+ 70	+1.4	+ .7	40 38 58.95	- 2 35.69	+ 6	+ 31	- 4	6	23.65	65.6
		2 R	18.2103	23.0987	+ 28	- .1	-1.3	40 38 26.85	- 2 3.68	+ 5	- 18	- 3	6	23.07	
		3 R	19.2073	21.9197	+ 13	+ .2	- .1	40 35 14.55	+ 1 8.62	- 3	+ 1	+ 3	6	23.24	65.6
		4 D	22.5233	20.6877	+ 25	0	+ .4	40 37 9.06	- 46.48	+ 2	+ 5	- 2	7	22.70	
		5	20.4747	20.6027	0	-1.4	-1.4	40 36 23.73	- 0.71	0	- 40	0	8	22.70	
		6	31.8683 ^{iv}	9.2487 ⁱⁱ	+ 13	+1.3	+ .3	40 45 56.48	- 9 32.01	-1.05	+ 25	-17	6	23.56	
		7	14.6423	26.1460	+ 39	-1.0	- .1	40 41 13.44	- 4 50.99	+ 12	- 17	- 9	6	22.37	64.8
		8	11.5660 ⁱⁱ	32.6453 ^{iv}	+ 21	+ .1	+ .9	40 27 28.99	+ 8 53.08	+1.06	+ 13	+ 18	8	23.52	
		9	17.3793	21.0390	- 26	+ .4	+ .9	40 34 50.93	+ 1 32.48	- 4	+ 18	+ 3	6	23.64	
May 9	II	10	13.4987	29.6330	+220	+ .9	0	40 29 34.41	+ 6 48.54	- 17	+ 14	+ 12	6	23.10	63.5
		1 D	17.8607	24.0670	+ 53	+ .4	+ .1	40 38 59.73	- 2 37.07	+ 9	+ 8	- 4	6	22.85	70.0
		2 D	24.6453	19.7220	+ 94	+ .9	+ .3	40 38 27.66	- 2 4.73	+ 7	+ 18	- 3	6	23.21	
		3 D	22.1153	19.4380	+ 17	- .8	- .3	40 35 15.38	+ 1 7.74	- 3	- 17	+ 3	6	23.01	69.9
		4 R	18.2320	20.0937	- 14	-1.7	-1.4	40 37 9.85	- 47.04	+ 3	- 45	- 2	7	22.44	
		5	21.5647	21.4967	+ 1	- .9	- .9	40 36 24.51	- 1.72	- 0	- 26	0	8	22.61	
		6	9.0933 ⁱⁱ	31.7577 ^{iv}	+ 9	+ 1	- .1	40 45 57.34	- 9 33.13	- 97	0	-17	6	23.13	
		7	26.3013	14.7713	+ 55	- .4	- .7	40 41 14.33	- 4 51.69	+ 16	- 15	- 9	6	22.62	68.6
		8	31.7463 ^{iv}	10.6903 ⁱⁱ	+ 10	0	- .5	40 27 29.81	+ 8 52.46	+1.00	- 6	+ 18	8	23.47	
		9	21.8370	18.1977	0	-1.6	- .5	40 34 51.80	+ 1 32.03	- 5	- 32	+ 3	6	23.55	
May 10	III	10	28.6897	12.5827	+ 91	+1.1	+ .1	40 29 35.32	+ 6 47.52	- 21	+ 19	+ 12	6	23.00	68.4
		1 R	29.8550 ^{iv}	14.2747 ⁱⁱ	- 82	- .9	- .3	40 42 58.10	- 6 33.77	-1.07	- 18	-14	9	23.03	67.6
		2	6.8433 ⁱⁱ	31.0547 ^{iv}	- 41	+1.1	+1.1	40 46 36.44	-10 12.12	- 95	+ 31	-24	11	23.55	

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
May 9	III 3	R	8.8813 ⁱⁱ	34.2007 ^{iv}	+ 73	+2.1	+1.7	40 25 40.63	+10 40.44	+ 94	+ 55	+18	5	22.79	66.4
			9.4077 ⁱⁱ	34.4990 ^{iv}	+ 88	+1.8	+ .9	40 25 47.13	+10 34.70	+ 95	+ 40	+19	6	23.43	65.4
			26.6343	14.9430	+ 82	+ .2	+ .3	40 31 26.78	+ 4 55.84	+ 15	+ 6	+10	7	22.70	
			18.3283	21.8740	+ 2	+3.0	+2.7	40 37 51.90	+ 1 29.66	+ 5	+ 82	+ 3	6	23.14	
			18.1500	16.6290	+ 36	+ .1	+1.1	40 37 1.17	+ 38.37	+ 2	+ 12	+ 1	6	22.75	
May 10	III 1	D	15.2193	21.9240	+ 85	+ .3	+ .5	40 33 33.17	+ 2 49.33	+ 9	+ 11	+ 4	6	22.62	65.5
			12.4907	26.2783	+ 73	+1.2	+ .1	40 42 11.31	+ 5 48.46	+ 19	+ 21	+10	5	22.78	
			10.5550	26.2287	+220	+1.2	+1.2	40 42 58.36	+ 6 35.78	+ 21	+ 35	+14	9	23.09	70.4
			34.2160 ^{iv}	10.0163 ⁱⁱ	+ 78	+ .3	+ .7	40 46 36.69	+10 12.13	+ 95	+ 14	+24	11	23.34	69.9
			31.4463 ^{iv}	6.1153 ⁱⁱ	+ 59	+ .7	+1.0	40 25 41.32	+10 40.39	+ 94	+ 24	+18	5	22.64	
			32.8750 ^{iv}	7.7513 ⁱⁱ	+ 15	+1.5	+ .8	40 25 47.40	+10 35.33	+ 95	+ 34	+19	6	23.59	
			15.0630	26.7647	+ 93	+ .8	+ .2	40 31 27.04	+ 4 56.13	+ 15	+ 15	+10	7	23.04	68.9
			22.9010	19.3640	+ 35	+ .2	+ .1	40 37 52.16	+ 1 29.53	+ 5	+ 4	+ 3	6	22.67	68.6
			19.5390	21.0753	+ 2	+ .2	+ .2	40 37 1.43	+ 38.85	+ 2	+ 0	+ 1	6	22.65	68.7
			24.0813	17.4020	+ 44	+ .3	+ .2	40 33 33.43	+ 2 49.01	+ 9	+ 2	+ 4	6	22.47	68.3
May 12	II 1	R	29.8930	16.1550	+360	+ .3	+ .3	40 42 11.56	+ 5 48.30	+ 19	+ 1	+10	5	23.41	
			23.8617	17.6380	+ 41	+ .7	+ .3	40 39 0.37	+ 2 37.48	+ 9	+ 14	+ 4	6	22.86	45.5
			17.0733	22.0533	+ 20	+1.5	+1.2	40 38 28.34	+ 2 5.88	+ 7	+ 35	+ 3	6	22.95	44.7
			18.2217	24.4367	+ 74	+ .8	+ .8	40 39 0.58	+ 2 37.34	+ 9	+ 23	+ 4	6	23.12	49.2
			22.7573	17.7883	+ 12	+2.3	+ .3	40 38 27.66	+ 2 5.68	+ 7	+ 40	+ 3	6	22.48	
			21.2760	18.6367	+ 3	+ .8	+ .4	40 35 16.30	+ 1 6.73	+ 3	+ 18	+ 3	6	22.91	48.6
			21.1457	19.2220	+ 1	+1.0	+1.4	40 37 10.72	+ 48.65	+ 3	+ 34	+ 2	7	22.49	
			20.3793	20.4773	+ 0	+ .0	+1.4	40 36 25.36	+ 2.48	+ 0	+ 18	+ 0	8	23.14	
			31.6107 ^{iv}	8.9127 ⁱⁱ	+ 5	+1.7	+ .8	40 45 53.32	+ 9 33.97	+ 97	+ 37	+17	6	23.64	
			15.7333	27.2700	+150	+1.0	+ .2	40 41 15.33	+ 4 52.10	+ 16	+ 13	+ 9	6	23.23	47.0
May 16	II 1	R	9.4760 ⁱⁱ	30.4667 ^{iv}	+ 0	+ .9	+1.4	40 27 30.74	+ 8 50.79	+1.00	+ 32	+18	8	23.11	
			18.6693	22.2270	+ 13	+1.4	+1.7	40 34 52.82	+ 1 30.00	+ 5	+ 44	+ 3	6	23.30	46.1
			24.0850	17.8487	+ 53	+1.3	+1.1	40 39 1.23	+ 2 37.83	+ 9	+ 35	+ 4	6	23.86	46.9
			18.6013	21.7490	+ 8	+1.4	+2.2	40 38 29.22	+ 2 7.66	+ 7	+ 50	+ 3	6	22.16	
			19.3680	21.9870	+ 15	+ .5	+ .4	40 35 16.99	+ 1 6.26	+ 3	+ 3	+ 3	6	23.34	
			19.4157	21.3477	+ 5	+1.5	+ .0	40 37 11.36	+ 0 48.87	+ 3	+ 24	+ 2	7	22.33	46.6
			21.2933	21.2007	+ 0	+3.7	+3.7	40 36 25.98	+ 2.34	+ 0	+1.02	+ 0	8	22.70	
			8.9763 ⁱⁱ	31.7003 ^{iv}	+ 8	+ .2	+ .3	40 45 59.04	+ 9 34.64	+ 97	+ 6	+17	6	23.38	
			27.4067	15.8260	+162	+ .1	+ .0	40 41 16.05	+ 4 53.25	+ 16	+ 1	+ 9	6	22.92	45.8
			30.2430 ^{iv}	9.2462 ⁱⁱ	+ 2	+ .2	+ .6	40 27 31.40	+ 8 50.94	+1.00	+ 10	+18	8	23.50	
May 18	III 1	R	23.7667	20.2223	+ 62	+ .5	+ .2	40 34 53.55	+ 1 29.78	+ 5	+ 10	+ 3	6	23.27	
			29.4787	13.4423	+203	+1.9	+1.6	40 29 37.12	+ 6 46.02	+ 21	+ 51	+12	6	22.60	44.8
			30.2933	14.6540	+338	+1.2	+ .6	40 42 59.69	+ 6 36.32	+ 21	+ 27	+14	9	23.26	41.3
			11.0693 ⁱⁱ	35.3107 ^{iv}	+119	+ .4	+ .3	40 46 37.97	+10 13.29	+ 95	+ 2	+24	11	23.62	
			8.3527 ⁱⁱ	33.6310 ^{iv}	+ 45	+ .7	+ .2	40 25 42.79	+10 39.32	+ 94	+ 8	+18	5	23.36	
			27.2093	15.5683	+136	+ .7	+ .4	40 31 23.37	+ 4 54.71	+ 15	+ 6	+10	7	23.16	40.0
			19.3260	22.8913	+ 34	+2.3	+1.4	40 37 53.53	+ 1 30.24	+ 5	+ 55	+ 3	6	22.82	d
			21.2880	19.6697	+ 4	+ .7	+ .2	40 37 2.77	+ 40.93	+ 2	+ 8	+ 1	6	21.99	
			17.2320	23.8687	+ 32	+ .4	+ .5	40 33 34.74	+ 2 47.90	+ 9	+ 13	+ 4	6	22.52	
			14.0570	27.8740	+116	+1.4	+ .9	40 42 12.82	+ 5 49.68	+ 19	+ 11	+10	5	23.17	39.9
May 18	II 1	D	18.2890	24.5590	+ 79	+ .3	+ .0	40 39 1.73	+ 2 38.75	+ 9	+ 5	+ 4	6	23.04	52.0
			21.8237	16.8053	+ 32	+1.9	+ .0	40 38 29.73	+ 2 6.79	+ 7	+ 30	+ 3	6	23.34	
			21.1150	18.5097	+ 6	+1.3	+ .8	40 35 17.53	+ 1 5.86	+ 3	+ 31	+ 3	6	23.14	
			21.6063	19.6777	+ 9	+ .9	+1.5	40 37 11.86	+ 48.79	+ 3	+ 33	+ 2	7	22.82	
			19.6657	19.8327	+ 0	+2.1	+1.0	40 36 26.48	+ 4.22	+ 0	+ 46	+ 0	8	22.80	
			31.5723 ^{iv}	8.8167 ⁱⁱ	+ 11	+1.6	+ .3	40 45 59.58	+ 9 35.44	+ 97	+ 29	+17	6	23.35	52.4
			14.5333	26.1503	+ 32	+2.2	+ .2	40 41 16.61	+ 4 53.84	+ 16	+ 38	+ 9	6	22.52	51.6
			9.5340 ⁱⁱ	30.5093 ^{iv}	+ 0	+ .2	+ .0	40 27 31.91	+ 8 50.40	+1.00	+ 3	+18	8	23.54	
			17.6677	21.2073	+ 19	+ .2	+ .1	40 34 54.10	+ 1 29.46	+ 5	+ 5	+ 3	6	23.55	51.1
			13.1960	29.1993	+167	+ .1	+ .9	40 29 37.68	+ 6 45.09	+ 21	+ 10	+12	6	22.84	50.7

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
May 18	III 1	D	12.2160	27.9227	+ 7	— .7	—2.0	40 43 0.16	— 6 37.19	+ 21	— 36	—14	9	40 36 22.77	48.6
			33.4257 ^{iv}	9.1643 ⁱⁱ	+ 49	— .1	+ .9	40 46 38.40	—10 13.62	— 95	+ 10	—24	11	23.80	
			31.6787 ^{iv}	6.4143 ⁱⁱ	— 47	— .3	—1.0	40 25 43.30	+10 38.74	+ 94	— 18	+18	5	23.03	
			32.9903 ^{iv}	7.9407 ⁱⁱ	+ 21	—1.8	—1.6	40 25 49.32	+10 33.48	+ 95	— 49	+19	6	23.51	
			13.7330	25.3873	— 44	— .5	— .3	40 31 28.83	+ 4 54.59	— 15	— 12	+10	7	23.32	48.4
May 22	II 1	R	21.5687	17.9733	— 7	— .3	— .8	40 37 53.99	— 1 30.90	+ 5	— 15	— 3	6	23.02	
			23.2150	16.8917	+ 2	+ .9	+ .2	40 39 2.74	— 2 39.90	+ 9	+ 17	— 4	6	23.12	49.6
			17.1100	23.1577	+ 7	—1.2	—1.1	40 38 30.78	— 2 7.66	+ 7	— 33	— 3	6	22.89	
			17.7933	20.3290	— 18	+1.9	+1.9	40 35 17.53	+ 1 4.07	— 3	+ 55	+ 3	6	22.21	49.8
			19.2163	21.2077	— 2	—1.0	— .2	40 37 12.90	— 50.35	+ 3	— 18	— 2	7	22.45	
			20.9503	20.7730	+ 1	—1.1	— .8	40 36 27.50	— 4.49	— 0	— 27	0	8	22.82	
			8.4027 ⁱⁱ	31.2087 ^{iv}	— 7	— .7	—1.2	40 46 0.74	— 9 36.67	— 97	— 27	—17	6	22.72	49.9
			26.0510	14.3677	+ 20	+1.6	+1.7	40 41 17.79	— 4 55.48	+ 16	+ 48	— 9	6	22.92	
			31.6563 ^{iv}	10.7547 ⁱⁱ	+ 8	— .6	+ .1	40 27 33.01	+ 8 48.55	+1.00	— 8	+18	8	22.74	49.9
			23.3850	19.9000	+ 52	— .6	— .3	40 34 55.29	+ 1 28.26	— 5	— 13	+ 3	6	23.46	
May 23	III 1	R	28.1230	12.1563	+ 18	— .4	— .7	40 29 38.91	+ 6 43.79	— 21	— 11	+12	6	22.56	49.9
			31.3573	15.6577	+478	+ .2	— .2	40 43 1.28	— 6 38.20	+ 21	0	—14	9	23.24	47.4
			9.6063 ⁱⁱ	33.9210 ^{iv}	+ 65	— .2	— .1	40 46 39.49	—10 15.00	— 95	— 4	—24	11	23.37	47.2
			8.4193 ⁱⁱ	33.5987 ^{iv}	+ 46	+3.3	+1.6	40 25 44.51	+10 36.82	+ 94	+ 73	+18	5	23.23	
			8.6187 ⁱⁱ	33.6077 ^{iv}	+ 49	+ .7	0	40 25 50.51	+10 32.01	+ 95	+ 11	+19	6	23.83	
			25.4130	13.8250	— 39	+ .9	+ .3	40 31 29.94	+ 4 52.92	— 15	+ 18	+10	7	23.06	47.2
			18.6003	22.2450	+ 13	—1.4	— .3	40 37 55.13	— 1 32.20	+ 5	— 26	— 3	6	22.75	
			20.2147	18.5660	— 8	— .2	— .5	40 37 4.33	— 41.67	+ 2	— 9	— 1	6	22.64	
			18.3367	24.9090	+ 92	+ .9	— .2	40 33 86.77	+ 2 46.42	— 9	+ 12	+ 4	6	23.32	46.6
			13.4037	27.2883	+ 42	—1.9	+ .2	40 42 14.29	— 5 51.20	+ 19	— 28	—10	5	22.95	46.6
May 28	II 1	D	16.5467	22.8897	— 16	—1.2	— .2	40 39 2.96	— 2 40.35	+ 9	— 22	— 4	6	22.50	61.6
			22.9833	17.9160	+ 20	+ .9	+1.8	40 38 31.02	— 2 8.19	+ 7	+ 37	— 3	6	23.30	
			22.4753	19.9267	+ 28	—1.4	— .9	40 35 18.87	+ 1 4.52	— 3	— 34	+ 3	6	23.11	60.1
			21.5437	19.5367	+ 7	— .1	+1.6	40 37 13.14	— 50.77	+ 3	+ 19	— 2	7	22.64	
			19.4723	19.6840	— 1	+ .5	—1.2	40 36 27.75	— 5.35	— 0	— 7	0	8	22.41	
			32.0083 ^{iv}	9.1977 ⁱⁱ	+ 14	+ .2	— .6	40 46 1.00	— 9 36.84	— 97	— 4	—17	6	23.04	
			14.7007	26.3997	+ 57	+ .4	+1.4	40 41 18.07	— 4 55.97	+ 16	+ 24	— 9	6	22.47	58.6
			9.2497 ⁱⁱ	30.1407 ^{iv}	— 3	+ .8	+1.9	40 27 33.27	+ 8 48.26	+1.00	+ 37	+18	8	23.16	
			18.2990	21.7450	— 0	+ .6	+ .8	40 34 55.57	+ 1 27.14	— 5	+ 19	+ 3	6	22.94	
			12.2617	28.2170	+ 31	+ .1	0	40 29 39.21	+ 6 43.54	— 21	+ 1	+12	6	22.73	58.4
May 28	III 1	D	12.3080	28.0753	+ 25	— .2	+ .4	40 43 1.57	— 6 38.77	+ 21	+ 2	—14	9	22.98	55.6
			33.5757 ^{iv}	9.2460 ⁱⁱ	+ 55	+ .9	— .1	40 46 39.78	—10 15.36	— 95	+ 13	—24	11	23.47	56.3
			32.3437 ^{iv}	7.1487 ⁱⁱ	— 12	—2.5	— .9	40 25 44.84	+10 37.07	+ 94	— 51	+18	5	22.57	56.3
			32.9980 ^{iv}	8.0103 ⁱⁱ	+ 22	—1.9	—1.9	40 25 50.83	+10 31.91	+ 95	— 55	+19	6	23.39	55.6
			13.1740	24.7773	—103	— .6	—1.7	40 31 30.25	+ 4 53.15	— 15	— 32	+10	7	23.10	
			22.4090	18.7537	+ 19	+ .7	+ .1	40 37 55.44	— 1 32.48	+ 5	+ 12	— 3	6	23.16	
			19.4870	21.1140	+ 2	—1.2	—1.2	40 37 4.64	— 41.15	+ 2	— 35	— 1	6	23.21	
			23.8427	17.2587	+ 32	— .5	— .9	40 33 37.07	+ 2 46.57	— 9	— 19	+ 4	6	23.46	
			27.5213	13.6410	+ 69	—1.6	— .2	40 42 14.59	+ 5 51.16	+ 19	— 28	—10	5	23.29	54.4
			25.4357	19.0917	+124	—1.1	—1.0	40 39 3.88	— 2 40.73	+ 9	— 30	— 4	6	22.96	61.8
May 28	II 1	R	17.5180	22.6170	+ 2	+ .3	+ .6	40 38 31.99	— 2 8.94	+ 7	+ 12	— 3	6	23.27	
			19.4987	21.9843	+ 15	+1.6	+2.1	40 35 19.91	+ 1 2.89	— 3	+ 52	+ 3	6	23.38	61.1
			20.9440	22.9743	+ 41	+1.0	+4.0	40 37 14.12	— 51.43	+ 3	+ 21	— 2	7	22.98	60.6
			21.8063	21.5793	+ 4	— .7	—1.7	40 36 28.71	— 5.75	— 0	— 33	— 0	8	22.71	
			9.0747 ⁱⁱ	31.9210 ^{iv}	+ 12	+ .1	+ .3	40 46 2.14	— 9 37.74	— 97	+ 5	—17	6	23.37	60.4
			26.3330	14.6303	+ 47	— .0	— .4	40 41 19.26	— 4 56.04	+ 16	— 5	— 9	6	23.30	60.0
			31.1387 ^{iv}	10.2653 ⁱⁱ	+ 3	— .1	— .1	40 27 34.87	+ 8 47.83	+1.00	— 3	+18	8	23.43	
			22.6723	19.2440	+ 28	+ .7	+1.8	40 34 56.81	+ 1 26.76	— 5	+ 34	+ 3	6	23.95	
			30.3203	14.4373	+329	+ .1	+ .2	40 29 40.48	+ 6 42.46	— 21	+ 1	+12	6	22.92	59.0
			28.7387	12.9400	+117	— .4	+ .4	40 43 2.83	— 6 39.79	+ 21	— 1	—14	9	23.19	57.4

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
May 28	III 2	R	7.9107 ⁱⁱ	32.2887 ^{iv}	+ 4	.0	— .7	40 46 41.02	—10 16.45	— 95	— 9	—24	11	40 36' 23.40	○
	3		7.1950 ⁱⁱ	32.3230 ^{iv}	— 12	+1.5	+ .4	40 25 46.27	+10 35.38	+ 94	+ 29	+18	5	23.11	
	4		6.4070 ⁱⁱ	31.3303 ^{iv}	— 51	— .2	— .2	40 25 52.24	+10 30.10	+ 95	— 5	+19	6	23.49	
	5		27.2697	15.7700	+151	— .6	.0	40 31 31.59	+ 4 51.17	— 15	— 9	+10	7	22.69	57.3
	6		19.1537	22.8610	+ 33	—1.5	.0	40 37 56.85	— 1 33.83	+ 5	— 24	— 3	6	22.86	
	7		21.9400	20.2223	+ 15	+ .3	— .5	40 37 6.04	— 43.47	+ 2	— 1	— 1	6	22.63	55.8
	8		18.4503	24.9193	+ 95	— .4	+ .4	40 33 38.47	+ 2 43.82	— 9	— 1	+ 4	6	22.29	
May 29	9		15.2607	29.2067	+270	+1.2	+ .8	40 42 15.95	— 5 53.33	+ 19	+ 29	—10	5	23.05	55.8
	II 1	D	15.3467	21.7423	— 82	— .1	+ .4	40 39 4.05	— 2 41.52	+ 9	+ 3	— 4	6	22.67	70.9
	2		23.5237	18.4167	+ 43	+ .4	+ .8	40 38 32.18	— 2 9.25	+ 7	+ 16	— 3	6	23.19	
	3		21.4317	18.9620	+ 4	+ .2	+ .5	40 35 20.11	+ 1 2.46	— 3	+ 9	+ 3	6	22.72	69.9
	4		21.4357	19.3727	+ 6	+ .7	+2.3	40 37 14.31	— 52.18	+ 3	+ 40	— 2	7	22.61	69.4
	5		21.3003	21.5577	+ 4	— .4	— .1	40 36 28.89	— 6.52	— 0	— 8	0	8	22.37	
	6		33.6670 ^{iv}	10.7977 ⁱⁱ	+ 57	+1.7	+1.0	40 46 2.35	— 9 38.43	— 97	+ 40	—17	6	23.24	
	7		15.6523	27.3723	+155	— .6	+ .5	40 41 19.48	— 4 56.75	+ 16	— 3	— 9	6	22.83	69.4
	8		7.8933 ⁱⁱ	28.7387 ^{iv}	— 12	— .4	+ .4	40 27 34.57	+ 8 47.08	+1.00	— 1	+18	8	22.90	
	9		18.7373	22.1527	+ 13	+ .3	+ .3	40 34 57.02	+ 1 26.40	— 5	+ 9	+ 3	6	23.55	
	10		13.4973	29.4047	+201	— .6	—1.5	40 29 40.72	+ 6 42.75	— 21	— 28	+12	6	23.16	69.3
	III 1	D	11.6770	27.4983	— 58	.0	+1.4	40 43 3.06	— 6 39.92	+ 21	+ 18	—14	9	23.48	70.1
	2		32.9617 ^{iv}	8.5630 ⁱⁱ	+ 30	+ .9	— .8	40 46 41.24	—10 17.04	— 95	+ 43	—24	11	23.55	
	3		34.4820 ^{iv}	9.3677 ⁱⁱ	+ 88	—1.0	— .7	40 25 46.54	+10 35.28	+ 94	— 25	+18	5	22.74	70.3
	4		32.2850 ^{iv}	7.3647 ⁱⁱ	— 8	— .8	— .1	40 25 52.49	+10 30.13	+ 95	— 14	+19	6	23.68	
	5		12.6780	24.2077	—157	+ .8	+ .7	40 31 31.84	+ 4 51.15	— 15	+ 22	+10	7	23.23	68.4
	6		21.6370	17.9033	— 9	+ .5	+ .3	40 37 57.11	— 1 34.39	+ 5	+ 12	— 3	6	22.92	68.3
	7		19.4893	21.2083	+ 3	— .2	— .7	40 37 6.29	— 43.48	+ 2	— 12	— 1	6	22.76	
May 30	8		23.3887	16.8920	+ 9	— .8	— .2	40 33 38.72	+ 2 44.30	— 9	— 15	+ 4	6	22.88	68.4
	9		27.1227	13.1613	+ 17	+ .3	+ .1	40 42 16.20	— 5 53.08	+ 19	+ 6	—10	5	23.32	68.4
	II 1	R	24.1530	17.8063	+ 55	—1.1	—1.0	40 39 4.25	— 2 40.63	+ 9	— 30	— 4	6	23.43	80.0
	2		19.1713	24.2953	+ 79	+1.2	+ .7	40 38 32.38	— 2 9.77	+ 7	+ 28	— 3	6	22.99	
	3		17.7260	20.2033	— 22	+ .7	+ .5	40 35 20.32	+ 1 2.59	— 3	+ 17	+ 3	6	23.14	79.2
	4		20.1123	22.1670	+ 20	+ .5	.0	40 37 14.51	— 52.01	+ 3	+ 8	— 2	7	22.66	78.6
	5		20.9113	20.6463	+ 2	— .2	— .6	40 36 29.09	— 6.71	— 0	— 10	0	8	22.36	
	6		9.4743 ⁱⁱ	32.3443 ^{iv}	+ 22	+ .3	— .1	40 46 2.58	— 9 38.36	— 97	+ 3	—17	6	23.17	77.4
	7		25.9797	14.2317	+ 11	+1.0	+1.1	40 41 19.72	— 4 57.10	+ 16	+ 30	— 9	6	23.05	
	8		31.6163 ^{iv}	10.7833 ⁱⁱ	+ 7	+ .7	+ .3	40 27 34.78	+ 8 46.82	+1.00	+ 15	+18	8	23.01	77.6
	9		23.2053	19.8020	+ 44	+ .7	+ .2	40 34 57.26	+ 1 26.17	— 5	+ 13	+ 3	6	23.60	
	10		30.1153	14.2613	+300	+1.0	+ .6	40 29 40.97	+ 6 41.65	— 21	+ 23	+12	6	22.82	77.4
	III 1	R	27.5983	11.7813	— 43	— .4	+ .3	40 43 3.29	— 6 39.85	+ 21	— 2	—14	9	23.58	75.4
	2		6.8187 ⁱⁱ	31.2177 ^{iv}	— 41	.0	+ .2	40 46 41.47	—10 16.87	— 95	+ 2	—24	11	23.54	
	3		7.4980 ⁱⁱ	32.6020 ^{iv}	+ 2	+1.7	+ .2	40 25 46.80	+10 34.80	+ 94	+ 30	+18	5	23.07	
	4		6.9937 ⁱⁱ	31.8797 ^{iv}	— 23	+ .8	.0	40 25 52.75	+10 29.23	+ 95	+ 13	+19	6	23.31	73.9
	5		26.1163	14.6037	+ 35	— .1	— .3	40 31 32.08	+ 4 51.20	— 15	— 5	+10	7	23.25	
	6		19.3837	23.1080	+ 40	—1.1	— .3	40 37 57.36	— 1 34.28	+ 5	— 21	— 3	6	22.95	73.5
	7		21.5640	19.8287	+ 9	+ .2	.0	40 37 6.40	— 43.90	+ 2	+ 3	— 1	6	22.60	
	8		16.8610	23.3503	+ 6	— .9	.0	40 33 38.96	+ 2 44.11	— 9	— 14	+ 4	6	22.94	
June 7	9		14.5947	28.5303	+188	—1.2	— .8	40 42 16.43	— 5 52.86	+ 19	— 29	—10	5	23.42	74.3
	II 1	D	18.8887	24.8287	+ 89	+1.4	+1.1	40 39 5.92	— 2 43.07	+ 9	+ 36	— 4	6	23.32	62.8
	2		22.5760	17.3740	— 1	+ .4	+ .6	40 38 34.13	— 2 11.54	+ 7	+ 14	— 3	6	22.83	63.4
	3		22.5817	20.2090	+ 29	+ .4	+1.1	40 35 22.19	+ 1 0.07	— 3	+ 20	+ 3	6	22.52	63.1
	4		21.6313	19.4920	+ 8	+ .9	+1.5	40 37 16.29	— 0 54.12	+ 3	+ 33	— 2	7	22.58	
	5		20.3100	20.6490	+ 1	+ .5	+ .3	40 36 30.87	— 8.57	+ 0	+ 12	0	8	22.50	62.3
	6		32.1707 ^{iv}	9.2097 ⁱⁱ	+ 17	+1.5	.0	40 46 4.62	— 9 40.65	— 97	+ 24	—17	6	23.13	
	7		14.0543	25.9080	— 5	+ .4	.0	40 41 21.85	— 4 59.73	+ 16	+ 6	— 9	6	22.31	60.9
	8		9.7050 ⁱⁱ	30.4540 ^{iv}	+ 1	+2.0	+1.9	40 27 36.79	+ 8 44.68	+1.00	+ 56	+18	8	23.29	
	9		19.8670	23.1640	+ 44	+1.1	+ .4	40 34 59.46	+ 1 23.48	— 5	+ 22	+ 3	6	23.20	

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1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Mer	Latitude.			Ther- mom.
						A	B		Micrometer.	δ	l	r						
June 7	II 10	D	13.0063	28.7970	+125	+1.4	+ .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.26 \end{smallmatrix}$	+ 6 39.61	— .21	+ 25	+12	6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 23.09 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 60.6 \end{smallmatrix}$			
	III 1	D	13.2877	29.2020	+172	+ .2	+ .1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 5.57 \end{smallmatrix}$	+ 6 42.86	+ 21	+ 4	—14	9	$\begin{smallmatrix} \circ \\ 22.91 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 59.8 \end{smallmatrix}$			
	2		32.7150 ^{iv}	8.2147 ⁱⁱ	+ 18	+ .6	+ .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 43.72 \end{smallmatrix}$	—10 19.58	— 95	+ 17	—24	11	$\begin{smallmatrix} \circ \\ 23.25 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 57.8 \end{smallmatrix}$			
	3		34.6850 ^{iv}	9.6937 ⁱⁱ	+ 96	— .9	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 49.37 \end{smallmatrix}$	+10 32.19	+ 94	+ 19	+18	5	$\begin{smallmatrix} \circ \\ 22.54 \end{smallmatrix}$				
	4		32.5980 ^{iv}	7.7937 ⁱⁱ	+ 9	—1.8	— .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 55.28 \end{smallmatrix}$	+10 27.24	+ 95	— 48	+19	6	$\begin{smallmatrix} \circ \\ 23.24 \end{smallmatrix}$				
	5		13.5697	24.9813	— 73	— .3	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 31 & 34.50 \end{smallmatrix}$	+ 4 48.38	— 15	— 10	+10	7	$\begin{smallmatrix} \circ \\ 22.80 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 56.6 \end{smallmatrix}$			
	6		22.5513	18.7393	+ 22	+ .3	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 59.87 \end{smallmatrix}$	+ 1 36.45	+ 5	— 5	— 3	6	$\begin{smallmatrix} \circ \\ 23.45 \end{smallmatrix}$				
	7		19.7343	21.5827	+ 9	+1.3	+1.5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 8.83 \end{smallmatrix}$	+ 46.76	+ 2	+ 40	— 1	6	$\begin{smallmatrix} \circ \\ 22.54 \end{smallmatrix}$				
	8		24.2300	17.8223	+ 58	—1.0	—1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 41.46 \end{smallmatrix}$	+ 2 42.18	— 9	+ 31	+ 4	6	$\begin{smallmatrix} \circ \\ 23.34 \end{smallmatrix}$				
	9		29.0423	15.0190	+247	—1.0	—1.5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 18.86 \end{smallmatrix}$	— 5 55.23	+ 19	— 35	—10	5	$\begin{smallmatrix} \circ \\ 23.42 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 56.8 \end{smallmatrix}$			
June 8	II 1	R	24.1690	17.7060	+ 54	+1.5	+1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 39 & 6.07 \end{smallmatrix}$	— 2 43.56	+ 9	+ 39	— 4	6	$\begin{smallmatrix} \circ \\ 23.01 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 66.3 \end{smallmatrix}$			
	2		18.2847	23.4903	+ 42	+ .8	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 34.30 \end{smallmatrix}$	— 2 11.74	+ 7	+ 18	— 3	6	$\begin{smallmatrix} \circ \\ 22.84 \end{smallmatrix}$				
	3		20.1353	22.5097	+ 28	+ .2	+1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 35 & 22.37 \end{smallmatrix}$	+ 1 0.11	— 3	+ 17	+ 3	6	$\begin{smallmatrix} \circ \\ 22.71 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 65.1 \end{smallmatrix}$			
	4		19.8990	22.0437	+ 18	+ .4	— .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 16.47 \end{smallmatrix}$	— 54.28	+ 3	+ 4	— 2	7	$\begin{smallmatrix} \circ \\ 22.31 \end{smallmatrix}$				
	5		21.3490	21.0060	+ 3	.0	— .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 31.05 \end{smallmatrix}$	— 8.68	— 0	+ 6	0	8	$\begin{smallmatrix} \circ \\ 22.39 \end{smallmatrix}$				
	6		9.3100 ⁱⁱ	32.2683 ^{iv}	+ 20	—1.2	—1.5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 4.82 \end{smallmatrix}$	— 9 40.59	— 97	— 38	—17	6	$\begin{smallmatrix} \circ \\ 22.77 \end{smallmatrix}$				
	7		25.2997	13.4573	— 65	— .9	—1.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 22.08 \end{smallmatrix}$	— 4 59.29	+ 16	— 31	— 9	6	$\begin{smallmatrix} \circ \\ 22.61 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 63.9 \end{smallmatrix}$			
	8		30.1337 ^{iv}	9.3610 ⁱⁱ	— 2	— .4	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 27 & 36.99 \end{smallmatrix}$	+ 8 45.27	+1.00	— 11	+18	8	$\begin{smallmatrix} \circ \\ 23.41 \end{smallmatrix}$				
	9		22.1797	18.8700	+ 15	+1.2	+ .3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 34 & 59.69 \end{smallmatrix}$	+ 1 23.73	— 5	+ 23	+ 3	6	$\begin{smallmatrix} \circ \\ 23.69 \end{smallmatrix}$				
	10		28.2003	12.4153	+ 41	+ .2	+ .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.51 \end{smallmatrix}$	+ 6 39.26	— 21	+ 13	+12	6	$\begin{smallmatrix} \circ \\ 22.87 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 63.1 \end{smallmatrix}$			
June 9	III 1	R	28.6140	12.7123	+ 91	—1.2	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 43 & 5.84 \end{smallmatrix}$	— 6 42.33	+ 21	— 29	—14	9	$\begin{smallmatrix} \circ \\ 23.38 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 61.0 \end{smallmatrix}$			
	2		10.0540 ⁱⁱ	34.5417 ^{iv}	+ 91	— .7	+ .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 44.06 \end{smallmatrix}$	—10 19.44	— 95	— 8	—24	11	$\begin{smallmatrix} \circ \\ 23.46 \end{smallmatrix}$				
	3		6.6037 ⁱⁱ	31.6060 ^{iv}	— 42	+1.4	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 49.68 \end{smallmatrix}$	+10 32.12	+ 94	+ 22	+18	5	$\begin{smallmatrix} \circ \\ 23.19 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 59.8 \end{smallmatrix}$			
	4		7.2743 ⁱⁱ	32.0743 ^{iv}	— 15	— .9	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 55.59 \end{smallmatrix}$	+10 27.07	+ 95	— 19	+19	6	$\begin{smallmatrix} \circ \\ 23.67 \end{smallmatrix}$				
	5		28.0053	16.6190	+227	—1.1	— .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 31 & 34.80 \end{smallmatrix}$	+ 4 48.50	— 15	— 24	+10	7	$\begin{smallmatrix} \circ \\ 23.08 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 58.9 \end{smallmatrix}$			
	6		18.5807	22.4400	+ 18	— .1	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 0.19 \end{smallmatrix}$	— 1 37.63	+ 5	— 1	— 3	6	$\begin{smallmatrix} \circ \\ 22.63 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 58.4 \end{smallmatrix}$			
	7		21.4267	19.5900	+ 6	— .2	— .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 9.35 \end{smallmatrix}$	+ 46.46	+ 2	— 10	— 1	6	$\begin{smallmatrix} \circ \\ 22.86 \end{smallmatrix}$				
	8		18.3747	24.7207	+ 85	— .7	+ .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 41.78 \end{smallmatrix}$	+ 2 40.68	— 9	— 4	+ 4	6	$\begin{smallmatrix} \circ \\ 22.43 \end{smallmatrix}$				
	9		13.8253	27.8707	+103	—2.0	—1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 19.17 \end{smallmatrix}$	— 5 55.42	+ 19	— 47	—10	5	$\begin{smallmatrix} \circ \\ 23.42 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 58.8 \end{smallmatrix}$			
	II 1	D	17.1897	23.6450	+ 24	.0	— .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 39 & 6.22 \end{smallmatrix}$	— 2 43.29	+ 9	— 7	— 4	6	$\begin{smallmatrix} \circ \\ 22.97 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 69.4 \end{smallmatrix}$			
June 11	2		22.1483	16.9603	— 19	.0	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 34.44 \end{smallmatrix}$	— 2 11.14	+ 7	0	— 3	6	$\begin{smallmatrix} \circ \\ 23.40 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 69.4 \end{smallmatrix}$			
	3		21.9847	19.5997	+ 15	.0	+1.3	$\begin{smallmatrix} \circ & / & '' \\ 40 & 35 & 22.55 \end{smallmatrix}$	+ 1 0.35	— 3	+ 16	+ 3	6	$\begin{smallmatrix} \circ \\ 23.12 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 68.6 \end{smallmatrix}$			
	4		20.5217	18.3697	— 10	.0	+1.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 16.63 \end{smallmatrix}$	— 54.39	+ 3	+ 13	— 2	7	$\begin{smallmatrix} \circ \\ 22.45 \end{smallmatrix}$				
	5		18.3230	18.6603	— 5	+1.0	+ .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 31.21 \end{smallmatrix}$	— 8.52	+ 0	+ 25	0	8	$\begin{smallmatrix} \circ \\ 23.02 \end{smallmatrix}$				
	6		30.7057 ^{iv}	7.7273 ⁱⁱ	— 20	+1.2	+ .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 5.02 \end{smallmatrix}$	— 9 41.00	— 97	+ 28	—17	6	$\begin{smallmatrix} \circ \\ 23.22 \end{smallmatrix}$				
	7		14.2023	26.0520	+ 13	.0	+ .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 22.29 \end{smallmatrix}$	— 4 59.67	+ 16	+ 2	— 9	6	$\begin{smallmatrix} \circ \\ 22.77 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 67.4 \end{smallmatrix}$			
	8		9.5247 ⁱⁱ	30.2777 ^{iv}	— 1	+1.3	+1.7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 27 & 37.19 \end{smallmatrix}$	+ 8 44.77	+1.00	+ 43	+18	8	$\begin{smallmatrix} \circ \\ 23.65 \end{smallmatrix}$				
	9		16.7587	20.0343	— 47	+ .7	+1.1	$\begin{smallmatrix} \circ & / & '' \\ 40 & 34 & 59.91 \end{smallmatrix}$	+ 1 22.71	— 5	+ 25	+ 3	6	$\begin{smallmatrix} \circ \\ 22.91 \end{smallmatrix}$				
	10		12.5320	28.2913	+ 55	.0	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 29 & 43.74 \end{smallmatrix}$	+ 6 38.64	— 21	+ 5	+12	6	$\begin{smallmatrix} \circ \\ 22.40 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 65.6 \end{smallmatrix}$			
	III 2	D	30.5783 ^{iv}	6.0607 ⁱⁱ	— 66	— .2	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 44.23 \end{smallmatrix}$	—10 19.80	— 95	— 8	—24	11	$\begin{smallmatrix} \circ \\ 23.27 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 65.8 \end{smallmatrix}$			
June 11	3		34.4747 ^{iv}	9.5160 ⁱⁱ	+ 88	— .7	+ .2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 49.98 \end{smallmatrix}$	+10 31.35	+ 94	— 8	+18	5	$\begin{smallmatrix} \circ \\ 22.42 \end{smallmatrix}$				
	4		31.2170 ^{iv}	6.4213 ⁱⁱ	— 53	—1.9	—1.4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 25 & 55.88 \end{smallmatrix}$	+10 26.87	+ 95	— 48	+19	6	$\begin{smallmatrix} \circ \\ 23.47 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 63.6 \end{smallmatrix}$			
	5		13.0320	24.4347	—127	— .5	— .7	$\begin{smallmatrix} \circ & / & '' \\ 40 & 31 & 35.08 \end{smallmatrix}$	+ 4 48.02	— 15	— 17	+10	7	$\begin{smallmatrix} \circ \\ 22.95 \end{smallmatrix}$				
	6		22.3390	18.4723	+ 13	— .7	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 0.48 \end{smallmatrix}$	— 1 37.81	+ 5	— 16	— 3	6	$\begin{smallmatrix} \circ \\ 22.59 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 63.1 \end{smallmatrix}$			
	7		19.2793	21.1253	+ 1	— .7	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 9.65 \end{smallmatrix}$	— 46.68	+ 2	— 21	— 1	6	$\begin{smallmatrix} \circ \\ 22.83 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 63.2 \end{smallmatrix}$			
	8		25.6367	19.2757	+134	—1.6	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 33 & 42.08 \end{smallmatrix}$	+ 2 41.19	— 9	— 30	+ 4	5	$\begin{smallmatrix} \circ \\ 22.98 \end{smallmatrix}$				
	9		27.7983	18.7207	+ 93	— .2	— .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 42 & 19.47 \end{smallmatrix}$	— 5 56.21	+ 19	— 8	—10	5	$\begin{smallmatrix} \circ \\ 23.32 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 62.4 \end{smallmatrix}$			
	1	R	24.8550	18.3853	+ 91	+1.6	+1.2	$\begin{smallmatrix} \circ & / & '' \\ 40 & 39 & 6.51 \end{smallmatrix}$	— 2 43.83	+ 9	+ 41	— 4	6	$\begin{smallmatrix} \circ \\ 23.20 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 71.3 \end{smallmatrix}$			
	2		17.5980	22.8203	+ 9	.0	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 38 & 34.76 \end{smallmatrix}$	— 2 12.08	+ 7	0	— 3	6	$\begin{smallmatrix} \circ \\ 22.78 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 70.3 \end{smallmatrix}$			
	3		19.5537	21.9357	+ 14	— .6	— .9	$\begin{smallmatrix} \circ & / & '' \\ 40 & 35 & 22.89 \end{smallmatrix}$	+ 1 0.27	— 3	— 21	+ 3	6	$\begin{smallmatrix} \circ \\ 23.01 \end{smallmatrix}$				
June 11	4		20.1167	22.2550	+ 22	+ .9	.0	$\begin{smallmatrix} \circ & / & '' \\ 40 & 37 & 16.95 \end{smallmatrix}$	— 54.13	+ 3	+ 14	— 2	7	$\begin{smallmatrix} \circ \\ 23.04 \end{smallmatrix}$				
	5		21.2330	20.8940	+ 1	—1.8	— .8	$\begin{smallmatrix} \circ & / & '' \\ 40 & 36 & 31.53 \end{smallmatrix}$	— 8.57	0	— 39	0	8	$\begin{smallmatrix} \circ \\ 22.65 \end{smallmatrix}$				
	6		8.9250 ⁱⁱ	31.8933 ^{iv}	+ 11	—1.6	— .6	$\begin{smallmatrix} \circ & / & '' \\ 40 & 46 & 5.40 \end{smallmatrix}$	— 9 40.82	— 97	— 33	—17	6	$\begin{smallmatrix} \circ \\ 23.17 \end{smallmatrix}$				
	7		26.3537	14.4820	+ 43	+1.1	+ .4	$\begin{smallmatrix} \circ & / & '' \\ 40 & 41 & 22.69 \end{smallmatrix}$	— 5 0.31	+ 16	+ 22	— 9	6	$\begin{smallmatrix} \circ \\ 22.73 \end{smallmatrix}$	$\begin{smallmatrix} \circ \\ 70.1 \end{smallmatrix}$			
	8		31.1360 ^{iv}	10.3847 ⁱⁱ	+ 2	+ .1	— .5	$\begin{smallmatrix} \circ & / & '' \\ 40 & 27 & 37.56 \end{smallmatrix}$	+ 8 44.74	+1.00	— 5	+18	8	$\begin{smallmatrix} \circ \\ 23.51 \end{smallmatrix}$				

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
June 11	II 9 R		22.5973	19.3177	+ 27	+ .4	+ .7	40 35 0.33	+ 1 23.00	- 5	+ 15	+ 3	6	40 36' 23.52"	°
			28.9590	13.2180	+148	+ .5	+ .3	40 29 44.18	+ 6 38.41	- 21	+ 12	+12	6	22.68	69.6
	III 1 R		29.8933	13.9723	+268	- .6	+ .3	40 43 6.55	+ 6 43.27	+ 21	- 5	-14	9	23.39	67.6
			8.4637 ⁱⁱ	32.9933 ^{iv}	+ 28	- .2	.0	40 46 44.69	-10 20.34	- 95	- 3	-24	11	23.24	67.9
			7.7077 ⁱⁱ	32.6773 ^{iv}	+ 8	+1.6	+ .4	40 25 50.53	+10 31.42	+ 94	+ 30	+18	5	23.42	
			6.3417 ⁱⁱ	31.0987 ^{iv}	- 56	+ .1	+ .2	40 25 56.42	+10 25 88	+ 95	+ 4	+19	6	23.54	
			26.7723	15.4273	+108	- .2	- .6	40 31 35.61	+ 4 47.15	- 15	- 10	+10	7	22.68	67.7
			19.9240	23 7963	+ 64	-1.9	-2.1	40 38 1.04	- 1 38.08	+ 5	- 57	- 3	6	22.47	
			20.3847	18.5023	- 8	+ .6	- .1	40 37 10.19	- 47.58	+ 2	+ 8	- 1	6	22.76	67.1
			17.1523	23.4870	- 8	- .3	.0	40 33 42.54	+ 2 40.16	- 9	- 5	+ 4	6	22.66	
June 14	II 1 D		12.8070	26.8940	- 19	-2.1	- .7	40 42 20.02	- 5 56.17	+ 19	- 42	-10	5	23.57	67.1
			17.7133	24.1957	+ 55	- .7	-1.6	40 39 7.02	- 2 44.06	+ 9	- 31	- 4	6	22.76	75.9
			22.9047	17.6637	+ 13	+1.0	- .1	40 38 35.31	- 2 12.56	+ 7	+ 14	- 3	6	22.99	
			21.6937	19.3387	+ 13	-1.9	.0	40 35 23.47	+ 59.58	- 3	- 30	+ 3	6	22.81	75.4
			21.4490	19.2847	+ 5	- .6	- .1	40 37 17.50	- 54.74	+ 3	- 11	- 2	7	22.73	75.6
			20.8583	21.2147	+ 1	- .6	-1.8	40 36 32.09	- 9.01	+ 0	- 32	0	8	22.84	
			31.6827 ^{iv}	8.6793 ⁱⁱ	+ 4	+ .9	+ .2	40 46 6.04	- 9 41.69	- 97	+ 17	-17	6	23.44	75.1
			15.3190	27.1960	+129	-1.1	- .2	40 41 23.36	- 5 0.66	+ 16	- 20	- 9	6	22.63	74.6
			9.6980 ⁱⁱ	30.4120 ^{iv}	+ 1	- .2	+1.8	40 27 38.18	+ 8 43.79	+1.00	+ 33	+18	8	23.56	
			14.2817	29.9997	+292	+ .9	.0	40 29 44.91	+ 6 38.20	- 21	+ 14	+12	6	23.22	73.3
June 16	II 1 R		24.2227	17.7297	+ 55	- .1	- .4	40 39 7.41	- 2 44.33	+ 9	+ 6	- 4	6	23.25	68.2
			23.7430	17.2060	+ 27	+ .4	+ .8	40 39 8.11	- 2 45.37	+ 9	+ 16	- 4	6	23.01	75.6
			17.8683	23.1787	+ 24	+1.4	+1.1	40 38 36.77	- 2 14.34	+ 7	+ 36	- 3	6	22.89	
			19.7780	22.0423	+ 17	+1.7	+ .4	40 35 25.10	+ 57.30	- 3	+ 32	+ 3	6	22.78	75.4
			22.5267	24.7527	+ 71	- .6	- .1	40 37 19.07	- 56.47	+ 3	- 11	- 2	7	22.57	74.6
			21.3457	20.9237	+ 3	- .4	-1.2	40 36 33.69	- 10.68	- 0	- 22	0	8	22.87	
			8.3750 ⁱⁱ	31.4657 ^{iv}	- 3	+ .6	+ .1	40 46 7.92	- 9 43.88	- 97	+ 11	-17	6	23.07	
			27.1063	15.1240	+116	+1.6	+ .6	40 41 25.39	- 5 3.29	+ 16	+ 33	- 9	6	22.56	72.6
			31.2247 ^{iv}	10.5940 ⁱⁱ	+ 3	- .2	- .1	40 27 39.88	+ 8 41.69	+1.00	- 4	+18	8	22.79	72.4
			23.1967	20.0357	+ 45	+1.2	+ .7	40 35 3.16	+ 1 20.05	- 5	+ 28	+ 3	6	23.53	
June 25	III 1 D		27.7537	12.1127	- 10	+1.4	+1.3	40 29 47.17	+ 6 35.48	- 21	+ 39	+12	6	23.01	70.5
			14.1547	30.2363	+309	+ .1	- .1	40 43 10.23	- 6 47.43	+ 21	0	-14	9	22.96	70.4
			32.4520 ^{iv}	7.7807 ⁱⁱ	+ 6	- .7	- .9	40 46 48.38	-10 23.87	- 95	- 22	-24	11	23.21	70.4
			33.8760 ^{iv}	9.0720 ⁱⁱ	+ 63	-3.2	-2.5	40 25 54.86	+10 27.37	+ 94	- 83	+18	5	22.57	
			34.4643 ^{iv}	9.6690 ⁱⁱ	+ 87	- .8	- .3	40 26 0.70	+10 22.16	+ 95	- 17	+19	6	23.89	
			13.7650	24.9910	- 62	+ .2	-1.1	40 31 39.76	+ 4 43.71	- 15	- 11	+10	7	23.38	
			21.5280	17.4810	- 19	- .4	-1.0	40 38 5.37	- 1 42.29	+ 5	- 19	- 3	6	22.97	70.2
			20.9603	23.0240	+ 35	- .6	- .2	40 37 14.59	- 52.27	+ 2	- 12	- 1	6	22.27	70.4
			24.1300	17.9380	+ 57	-2.2	-1.8	40 33 47.07	+ 2 36.72	- 9	- 58	+ 4	6	23.22	
			26.0660	11.7820	-135	- .4	- .9	40 42 24.38	- 6 0.85	+ 19	- 18	-10	5	23.49	70.2
June 28	II 2 D		21.2943	15.9797	- 64	-1.2	- .9	40 38 37.37	- 2 14.23	+ 7	- 31	- 3	6	22.93	72.8
			21.7467	19.5137	+ 11	- .8	+1.0	40 35 25.81	+ 56.49	- 3	0	+ 3	6	22.36	72.6
			21.2400	18.9697	+ 1	+ .8	+1.7	40 37 19.75	- 57.41	+ 3	+ 35	- 2	7	22.77	
			20.1957	20.6820	+ 2	+1.2	+ .5	40 36 34.35	- 12.30	- 0	+ 26	0	8	22.39	
			32.3000 ^{iv}	9.1687 ⁱⁱ	+ 20	+1.0	+ .6	40 46 8.72	- 9 44.97	- 97	+ 23	-17	6	22.90	72.4
			17.4157	22.7307	+ 3	- .4	- .8	40 38 37.52	- 2 14.41	+ 7	- 18	- 3	6	23.03	75.5 a
June 29	II 3 R		20.1890	22.4210	+ 26	+ .6	+ .2	40 35 25.96	+ 56.51	- 3	+ 12	+ 2	6	22.64	
			21.0497	23.3063	+ 44	-1.0	-1.5	40 37 19.89	- 57.17	+ 3	- 40	- 2	7	22.40	72.3
	III 1 D		12.0237	28.2757	+ 21	+3.3	+1.5	40 43 13.66	- 6 51.01	+ 24	+ 72	-15	9	23.55	70.6
			32.5520 ^{iv}	7.7333 ⁱⁱ	+ 7	- .1	+ .3	40 46 51.87	-10 27.60	- 91	+ 2	-25	11	23.24	69.6
			32.3327 ^{iv}	7.7103 ⁱⁱ	+ 1	-1.6	- .7	40 25 59.02	+10 22.62	+ 92	- 34	+18	5	22.45	
			33.4710 ^{iv}	9.0440 ⁱⁱ	+ 50	-2.6	-1.8	40 26 4.84	+10 17.81	+ 92	- 64	+19	6	23.18	
July 9	III 5 R		14.2653	25.3157	- 21	- .5	- .8	40 31 43.83	+ 4 39.38	- 16	- 18	+ 9	7	23.03	69.4
			21.6767	17.4547	- 17	+ .6	+ .1	40 38 9.80	+ 1 46.72	+ 6	+ 12	- 3	6	23.29	68.7
			18.4700	20.6940	- 7	-1.0	-1.2	40 37 19.00	- 56.22	+ 4	- 31	- 2	6	22.55	

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
July 9	III 8	D	22.4037	16.4300	-32	+1.2	+1.6	40 33 51.56	+ 2 30.97	- 9	+ 40	+ 4	6	40 36 22.94	°
	9		26.9293	12.4327	-46	+1.6	+ .2	40 42 28.86	- 6 6.46	+ 22	+ 28	-10	5	22.85	68.1
	IV 1	D	19.8273	17.8827	-18	- .3	- .6	40 37 12.07	- 49.13	+ 3	- 12	- 2	13	22.96	63.6
	2		21.5510	22.9260	+27	-3.3	-2.7	40 36 58.27	- 34.84	+ 2	- 87	- 2	11	22.67	
	3		12.6893	23.8013	+105	+ .6	- .6	40 29 34.94	+ 6 47.69	- 23	+ 2	+12	7	22.61	64.0
	4		22.9277	17.3900	+ 7	- .4	- .4	40 38 42.38	- 2 20.05	+ 8	- 11	- 5	10	22.35	63.6
	5		12.4733	29.0767	+110	.0	-1.3	40 29 22.33	+ 7 0.12	- 24	- 16	+12	6	22.23	63.2
	6		30.6843 ^{iv}	11.6910 ⁱⁱ	- 9	- .9	+ .1	40 28 21.38	+ 8 0.26	+1.00	- 13	+13	5	22.69	
	7		14.0257	28.6473	+171	+1.7	+1.7	40 30 12.25	+ 6 10.17	- 21	+ 49	+10	6	22.86	
	8		27.8570	11.4503	- 50	- .5	- .5	40 43 18.07	- 6 54.75	+ 24	- 14	-13	7	23.36	62.9
July 10	9		18.9233	22.7583	+ 28	+2.4	+3.1	40 37 58.95	- 1 37.05	+ 6	+ 78	- 3	11	22.82	
	10		17.0430	26.5627	+151	-1.1	+ .2	40 40 24.22	- 4 1.10	+ 14	- 15	- 7	6	23.10	61.9
	11		6.2153 ⁱⁱ	33.5000 ^{iv}	- 9	+1.8	- .1	40 24 51.80	+11 29.92	+ 88	+ 27	+20	6	23.13	61.8*
	III 1	R	27.9793	11.7290	-22	-5.3	+ .7	40 43 13.86	- 6 50.86	+ 24	+ 17	-15	9	23.35	60.9
	2		7.5500 ⁱⁱ	32.5703 ^{iv}	+ 3	- .6	+ .1	40 46 52.08	-10 27.63	- 91	- 8	-25	11	23.32	62.6
	3		8.4627 ⁱⁱ	33.0730 ^{iv}	+ 24	+1.1	+ .1	40 25 59.27	+10 22.38	+ 92	+ 19	+18	5	22.99	62.0
	4		8.2467 ⁱⁱ	32.6333 ^{iv}	+ 17	+ .2	- .4	40 26 5.09	+10 16.70	+ 92	- 2	+19	6	22.94	
	5		25.9017	14.8890	+ 39	- .4	+ .4	40 31 44.08	+ 4 38.57	- 16	- 1	+ 9	7	22.64	61.1
	6		18.7977	23.0333	+ 34	+ .2	+ .8	40 38 10.07	- 1 47.19	+ 6	+ 13	- 3	6	23.10	60.4
	7		22.3383	20.0600	+ 24	+1.8	+1.4	40 37 19.28	- 57.67	+ 4	+ 47	- 2	6	22.16	60.0
July 12	8		18.6297	24.5760	+ 84	+ .6	+ .9	40 33 51.84	+ 2 30.58	- 9	+ 21	+ 4	6	22.64	
	9		13.0013	27.4973	+ 33	+1.7	+1.6	40 42 29.24	- 6 6.64	+ 22	+ 48	-10	5	23.25	59.3
	III 1	D	12.9890	29.1983	+159	+ .8	+ .2	40 43 14.29	- 6 51.55	+ 24	+ 15	-15	9	23.07	66.8
	2		34.2687 ^{iv}	9.4357 ⁱⁱ	+ 78	.0	.0	40 46 52.52	-10 28.14	- 91	0	-25	11	23.33	
	3		33.3723 ^{iv}	8.7760 ⁱⁱ	+ 45	-2.0	-1.0	40 25 59.81	+10 22.07	+ 92	- 45	+18	5	22.58	
	4		34.8713 ^{iv}	10.5027 ⁱⁱ	+102	- .2	-1.0	40 26 5.62	+10 16.46	+ 92	- 16	+19	6	23.09	
	5		13.8503	24.8830	- 62	- .3	- .6	40 31 44.60	+ 4 38.82	- 16	- 12	+ 9	7	23.30	66.1
	6		21.9190	17.6607	- 8	+ .8	-1.1	40 38 10.63	- 1 47.66	+ 6	- 1	- 3	6	23.05	
	7		18.1017	20.8673	- 15	+ .1	+ .1	40 37 19.84	- 57.25	+ 4	+ 3	- 2	6	22.70	66.4
	8		23.8583	17.9020	+ 47	-1.4	-2.0	40 33 52.41	+ 2 30.73	- 9	- 48	+ 4	6	22.67	65.8
July 16	9		26.2900	11.7940	-120	-1.4	-1.2	40 42 29.70	- 6 6.25	+ 22	- 43	-10	5	23.19	65.8
	IV 1	R	21.3387	23.3067	+ 42	- .2	- .1	40 37 12.77	- 49.87	+ 3	- 4	- 2	13	23.00	64.1 _a
	2		20.4257	19.0227	- 2	-1.6	-1.5	40 36 58.99	- 35.47	+ 2	- 44	- 2	11	23.19	65.0
	3		28.3563	12.2670	+ 40	- .5	.0	40 29 35.72	+ 6 46.96	- 23	- 8	+12	7	22.56	_a
	4		19.4160	24.9667	+105	+ .2	+ .6	40 38 43.09	- 2 20.62	+ 8	+ 10	- 5	10	22.70	64.3
	5		28.7690	12.1747	+ 67	- .3	.0	40 29 23.11	+ 6 59.79	- 24	- 5	+12	6	22.79	
	6		10.4300 ⁱⁱ	29.3837 ^{iv}	0	+1.8	+1.1	40 28 22.15	+ 7 59.28	+1.00	+ 43	+13	5	23.04	64.3
	8		13.3633	29.7870	+225	+ .4	+ .5	40 43 18.79	- 6 55.87	+ 24	+ 13	-13	7	23.23	64.3 _d
	III 1	R	31.3050	15.0590	+450	- .6	+ .1	40 43 15.30	- 6 51.95	+ 24	- 8	-15	9	23.45	65.3
	2		8.0400 ⁱⁱ	32.9140 ^{iv}	+ 20	-1.1	- .1	40 46 53.56	-10 29.03	- 91	- 19	-25	11	23.29	
July 16	3		5.9057 ⁱⁱ	30.4547 ^{iv}	- 72	+1.6	+1.9	40 26 1.03	+10 20.58	+ 92	+ 50	+18	5	23.26	
	4		5.8500 ⁱⁱ	30.1907 ^v	- 75	- .6	.0	40 26 6.84	+10 15.31	+ 92	- 9	+19	6	23.23	
	7		22.7703	20.4620	+ 33	- .5	- .3	40 37 21.16	- 58.45	+ 4	- 12	- 2	6	22.67	66.1
	8		19.3490	25.2287	+118	- .5	+ .6	40 33 53.75	+ 2 28.98	- 9	0	+ 4	6	22.74	
	9		12.5180	27.0713	- 29	-1.1	- .4	40 42 31.04	- 6 7.93	+ 22	- 22	-10	5	23.06	64.6
	IV 1	D	18.2037	16.1787	- 51	+ .5	- .1	40 37 13.90	- 51.08	+ 3	+ 6	- 2	13	23.02	64.4
	2		21.0527	22.5147	+ 24	- .3	+1.2	40 37 0.13	- 37.03	+ 2	+ 10	- 2	11	23.31	
	3		16.8137	32.8353	+672	- .4	- .6	40 29 36.94	+ 6 46.83	- 23	- 14	+12	7	23.59	
	4		22.5293	16.9120	- 15	+ .5	- .2	40 38 44.22	- 2 22.01	+ 8	+ 5	- 5	10	22.39	64.4
	5		12.2793	28.8373	+ 79	- .5	-1.5	40 29 24.33	+ 6 58.90	- 24	- 27	+12	6	22.90	
July 16	6		30.6567 ^{iv}	11.7233 ⁱⁱ	- 11	-3.0	-1.9	40 28 23.34	+ 7 58.74	+1.00	- 72	+13	5	22.54	64.1
	7		13.2600	27.8180	+ 67	+1.0	+1.3	40 30 14.17	+ 6 8.29	- 21	+ 32	+10	6	22.73	
	8		27.1617	10.6780	-156	+ .7	- .6	40 43 19.88	- 6 56.42	+ 24	+ 3	-13	7	23.67	
	9		18.0097	21.8687	- 2	- .2	- .9	40 38 0.52	- 1 37.58	+ 6	- 14	- 3	11	22.94	
	10		16.1557	25.7617	+ 80	- .7	- .1	40 40 25.94	- 4 3.11	+ 14	- 12	- 7	6	22.84	63.8

* Hurried and e. e. f.

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
July 16	IV 11	D	6.9623 ⁱⁱ	34.1857 ^{iv}	+ 39	— .1	— .1	40 24 53.44	+11 28.49	+ 88	— 3	+20	6	40 36 23.04	°
July 18	III 1	D	26.0337	13.5750	— 25	+ .2	— 1.8	40 41 37.31	— 5 14.98	+ 19	— 20	— 10	7	22.29	64.0
	2		13.2100	29.5270	+192	+ .7	+1.1	40 43 15.79	— 6 53.09	+ 24	+ 25	— 15	9	23.13	69.8
	3		33.3750 ^{iv}	8.4653 ⁱⁱ	+ 41	+ .9	— 1.4	40 46 54.07	— 10 29.99	— 91	— 3	— 25	11	23.00	68.6
	4		33.7343 ^{iv}	9.2313 ⁱⁱ	+ 59	— 1.0	— 1.3	40 26 1.63	+10 19.75	+ 92	— 32	+18	5	22.21	
	5		32.4790 ^{iv}	8.1763 ⁱⁱ	+ 13	— .5	— .7	40 26 7.45	+10 14.57	+ 92	— 17	+19	6	23.02	
	6		14.6930	25.6330	+ 16	— .6	— .5	40 31 46.42	+ 4 36.68	— 16	— 16	+ 9	7	22.94	67.3
	7		22.0387	17.7177	— 6	.0	.0	40 38 12.58	— 1 49.25	+ 6	0	— 3	6	23.42	
	8		18.9940	21.5243	+ 5	— 2.0	— .2	40 37 21.83	— 58.94	+ 4	— 34	— 2	6	22.63	67.6
	9		22.8820	17.0163	— 2	— .4	— .1	40 33 54.44	+ 2 28.32	— 9	— 8	+ 4	6	22.69	
	10		28.0423	13.4737	+ 96	+ 6	— 1.2	40 42 31.73	+ 6 8.64	+ 22	— 6	— 10	5	23.20	66.4
	11	D	21.5750	23.5943	+ 48	— .5	— .7	40 37 14.52	— 51.18	+ 3	— 17	— 2	13	23.31	63.9
	12		17.8937	16.4080	— 39	— 1.7	— 2.1	40 37 0.78	— 37.47	+ 2	— 54	— 2	11	22.88	
	13		30.4107	14.4193	+ 335	— 1.9	— .1	40 29 37.63	+ 6 45.22	— 23	— 32	+12	7	22.49	
	14		18.1380	23.7790	+ 48	— 1.1	+ .2	40 38 44.87	— 2 22.76	+ 8	— 15	— 5	10	22.09	63.5
	15		29.1507	12.6387	+128	— 1.3	— .2	40 29 25.03	+ 6 57.86	— 24	— 23	+12	6	22.60	63.5
	16		10.1543 ⁱⁱ	29.0247 ^{iv}	+ 3	+3.0	+1.3	40 28 24.02	+ 7 57.18	+1.00	+ 64	+13	5	23.02	62.5
	17		27.9000	13.3703	+ 80	— .8	— .3	40 30 14.85	+ 6 7.61	— 21	— 17	+10	6	22.24	
	18		10.9790	27.4700	— 111	— 2.0	— .5	40 43 20.53	— 6 56.72	+ 24	— 38	— 13	7	23.61	
	19		21.5653	17.6790	— 14	— .5	— .8	40 38 1.09	— 1 38.24	+ 6	— 18	— 3	11	22.81	62.0
	20		24.8950	15.2590	+ 6	+1.1	.0	40 40 26.56	— 4 3.68	+ 14	+ 17	— 7	6	23.18	61.7
	21		33.7223 ^{iv}	6.5180 ⁱⁱ	+ 7	+ .2	— .1	40 24 54.04	+11 27.93	+ 88	+ 1	+20	6	23.12	
July 19	III 1	R	13.0230	25.4820	— 80	— 1.3	— .6	40 41 37.89	— 5 14.85	+ 19	— 28	— 10	7	22.92	61.5
	2		30.5280	14.2153	+334	— 2.0	— .1	40 43 16.02	+ 6 53.34	+ 24	— 33	— 15	9	22.53	73.0
	3		7.7627 ⁱⁱ	32.6903 ^{iv}	+ 10	+ .5	+ .4	40 46 54.29	— 10 30.36	— 91	+ 13	— 25	11	23.01	73.1
	4		8.0710 ⁱⁱ	32.5827 ^{iv}	+ 14	+ .5	— .6	40 26 1.80	+10 19.86	+ 92	0	+18	5	22.81	
	5		6.4067 ⁱⁱ	30.7310 ^{iv}	— 55	— 1.6	+ .1	40 26 7.72	+10 14.94	+ 92	— 24	+19	6	23.59	
	6		26.7590	15.8650	+123	— .2	+ .1	40 31 46.69	+ 4 35.78	— 16	— 1	+ 9	7	22.46	72.9
	7		19.5070	23.8530	+ 64	— 1.0	— .3	40 38 12.88	— 1 50.06	+ 6	— 20	— 3	6	22.71	72.5
	8		21.2237	18.8640	0	— .2	.0	40 37 22.14	— 59.67	+ 4	— 3	— 2	6	22.52	72.4
	9		16.5063	22.3580	— 30	— .2	.0	40 33 54.76	+ 2 27.89	— 9	— 3	+ 4	6	22.63	
	10		12.4827	27.0873	— 28	— .9	— .1	40 42 32.05	— 6 9.23	+ 22	— 16	— 10	5	22.83	72.0
	11	D	19.5510	17.5103	— 26	+ .8	.0	40 37 14.83	— 51.54	+ 3	+ 13	— 2	13	23.56	69.0
	12		19.0267	20.5213	— 2	— 1.1	— .4	40 37 1.10	— 37.79	+ 2	— 22	— 2	11	23.20	
	13		11.8460	27.8400	— 21	+1.1	+ .2	40 29 37.96	+ 6 44.38	— 23	+ 20	+12	7	22.50	68.9
	14		22.4010	16.7307	— 22	+1.0	+2.4	40 38 45.19	— 2 23.33	+ 8	+ 46	— 5	10	22.45	
	15		13.1947	29.6737	+207	— .3	+ .2	40 29 25.37	+ 6 57.22	— 24	— 2	+12	6	22.51	
	16		29.3150 ^{iv}	10.4323 ⁱⁱ	+ 1	— .5	— .2	40 28 24.37	+ 7 57.48	+1.00	— 10	+13	5	22.93	69.2
	17		11.9517	26.5033	— 98	— .3	— .7	40 30 15.18	+ 6 7.71	— 21	— 14	+10	6	23.70	
	18		28.1620	11.6517	— 15	— .1	— 1.2	40 43 20.86	— 6 57.45	+ 24	— 17	— 13	7	22.42	
	19		19.1933	23.0897	+ 39	+ .9	+ .4	40 38 1.38	— 1 38.63	+ 6	+ 19	— 3	11	23.08	a d
	20		15.0010	24.6553	— 14	— 1.6	+ .3	40 40 26.87	— 4 4.09	+ 14	— 21	— 7	6	22.70	68.6
	21		5.5497 ⁱⁱ	32.7537 ^{iv}	— 55	+ .3	— 1.1	40 24 54.34	+11 27.76	+ 88	— 9	+20	6	23.15	68.2
July 25	III 1	D	24.7913	12.3107	— 159	— .6	— 1.6	40 41 38.18	— 5 15.19	+ 19	— 30	— 10	7	22.85	
	2		10.5623	26.9563	— 178	— .2	— .3	40 43 17.03	— 6 54.10	+ 24	— 7	— 15	9	23.04	65.5
	3		32.7280 ^{iv}	7.7433 ⁱⁱ	+ 11	+ .8	.0	40 46 55.39	— 10 31.81	— 91	+ 13	— 25	11	22.66	65.6
	4		33.5090 ^{iv}	9.0507 ⁱⁱ	+ 51	— 2.1	— 1.6	40 26 3.29	+10 18.60	+ 92	— 54	+18	5	22.50	
	5		33.6920 ^{iv}	9.4420 ⁱⁱ	+ 59	+ .3	— .6	40 26 9.00	+10 13.35	+ 92	— 2	+19	6	23.50	
	6		14.2367	25.1063	— 31	.0	— .1	40 31 48.10	+ 4 34.78	— 16	— 1	+ 9	7	22.87	
	7		21.8037	17.3993	— 16	+ .8	— 1.2	40 38 14.43	— 1 51.33	+ 6	— 2	— 3	6	23.17	65.1
	8		18.1513	20.5780	— 13	+ .5	+1.1	40 37 23.74	— 1 1.33	+ 4	+ 25	— 2	6	22.74	
	9		23.6043	17.8143	+ 37	+ .2	+ .7	40 33 56.41	+ 2 26.50	— 9	+ 14	+ 4	6	23.06	
	10		27.0430	12.3773	+ 38	+1.4	— .1	40 43 33.73	— 6 10.75	+ 22	+ 21	— 10	5	23.36	65.2
	11	R	20.5073	22.6213	+ 28	+ .2	— .4	40 37 16.42	— 53.53	+ 3	— 2	— 2	13	23.01	65.0a
	12		22.1343	20.5603	+ 18	— 2.3	— 1.3	40 37 2.75	— 39.85	+ 2	— 53	— 2	11	22.48	

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
July 25	IV 3	R	29.4373	13.5297	+204	— .2	—1.0	40 29 39.77	+ 6 42.77	— 23	— 16	+12	7	40 36 22.34	64.8
			19.8973	25.5920	+137	+ .3	+1.8	40 38 46.87	— 2 24.35	+ 8	+ 28	— 5	10	22.93	
			10.6597 ⁱⁱ	29.4570 ^{iv}	0	+1.7	+ .9	40 28 26.22	+ 7 55.32	+1.00	+ 39	+13	5	23.11	
			28.6550	14.2217	+182	— .4	+1.0	40 30 17.01	+ 6 5.43	— 21	+ 6	+10	6	22.45	65.0
			12.4197	29.0093	+100	+ .5	+ .4	40 43 22.51	— 6 59.75	+ 24	+ 13	—13	7	23.07	
			24.7970	20.8520	+ 98	— .2	— .6	40 38 2.94	— 1 40.00	+ 6	— 10	— 3	11	22.98	
			25.5073	15.7847	+ 55	+3.0	+ .7	40 40 28.60	— 4 5.99	+ 14	+ 57	— 7	6	23.31	64.3
			35.9090 ^{iv}	8.8307 ⁱⁱ	+146	.0	+ .9	40 24 56.01	+11 25.09	+ 88	+ 11	+20	6	22.35	
			13.8173	26.3633	+ 10	+ .6	+ .7	40 41 39.80	— 5 17.27	+ 19	+ 18	—10	7	22.87	63.9
			29.2993	12.9080	+158	— .4	+2.0	40 43 17.22	— 6 54.88	+ 24	+ 19	—15	9	22.71	67.7
			7.2390 ⁱⁱ	31.7020 ^{iv}	— 20	— .5	+ .7	40 26 3.54	+10 18.54	+ 92	+ 1	+18	5	23.24	67.1
July 26	III 1	R	6.1810 ⁱⁱ	30.4230 ^{iv}	— 63	— .6	— .2	40 26 9.35	+10 12.83	+ 92	— 12	+19	6	23.23	
			26.7430	15.8850	+124	— .4	— .3	40 31 48.35	+ 4 34.88	— 16	— 10	+ 9	7	23.13	66.6
			17.9550	22.3813	+ 9	— .1	— .6	40 38 14.70	— 1 51.95	+ 6	— 9	— 3	6	22.75	66.2
			22.8047	20.3713	+ 33	+1.1	+ .5	40 37 24.01	— 1 1.62	+ 4	+ 24	— 2	6	22.71	
			19.1297	24.8847	+101	— .9	+ .6	40 33 56.69	+ 2 25.78	— 9	— 7	+ 4	6	22.41	
			12.4107	27.0937	— 34	—2.7	— .8	40 42 34.01	— 6 11.20	+ 22	— 53	—10	5	22.45	65.3
			18.3900	19.9953	— 12	+ .4	+1.3	40 37 3.02	— 40.56	+ 2	+ 23	— 2	11	22.80	63.4
			11.3733	27.3597	— 87	+1.4	+ .9	40 29 40.06	+ 6 44.02	— 23	+ 34	+12	7	[24.38]	<i>a</i>
			22.0520	16.3117	— 43	+ .1	— .1	40 38 47.14	— 2 25.04	+ 8	0	— 5	10	22.23	61.9
			13.0350	29.4503	+179	— .1	— .1	40 29 27.52	+ 6 55.54	— 24	— 3	+12	6	22.97	
			30.8380 ^{iv}	12.0330 ⁱⁱ	— 15	—1.2	—1.0	40 28 26.50	+ 7 55.48	+1.00	— 32	+13	5	22.84	62.1
July 28	IV 2	D	12.0357	26.4800	— 92	+2.0	+ .7	40 30 17.30	+ 6 5.02	— 21	+ 41	+10	6	22.68	
			27.1497	10.5317	—171	+1.1	+1.6	40 43 22.88	— 6 59.78	+ 24	+ 38	—13	7	23.66	
			19.0470	23.0023	+ 35	— .7	.0	40 38 3.18	— 1 40.11	+ 6	— 11	— 3	11	23.10	<i>a</i>
			16.6413	26.3470	+127	—2.0	—1.0	40 40 28.87	— 4 5.76	+ 14	— 45	— 7	6	22.79	61.7
			5.4990 ⁱⁱ	32.6350 ^{iv}	— 59	— .9	— .2	40 24 56.21	+11 26.03	+ 88	— 17	+20	6	23.21	62.3
			25.5280	12.9683	— 80	+ .3	—1.1	40 41 40.04	— 5 17.39	+ 19	— 9	—10	7	22.72	
			27.9883	11.5790	— 32	+ .1	+1.0	40 43 17.65	— 6 54.86	+ 24	+ 14	— 15	9	23.11	66.9
			35.9697 ^{iv}	10.9867 ⁱⁱ	+153	+ .7	+2.3	40 46 56.04	—10 32.13	— 91	+ 40	—25	11	23.26	
			33.4233 ^{iv}	9.0243 ⁱⁱ	+ 48	—1.2	+ .6	40 26 4.07	+10 17.09	+ 92	— 12	+18	5	22.19	
			32.9283 ^{iv}	8.7337 ⁱⁱ	+ 29	+1.4	+ .3	40 26 9.89	+10 11.88	+ 92	+ 26	+19	6	23.20	
			14.5187	25.3700	— 5	— .7	—1.2	40 31 48.89	+ 4 34.38	— 16	— 26	+ 9	7	23.01	65.9
July 29	III 1	R	21.3193	16.8550	— 38	+2.4	+1.7	40 38 15.28	— 1 52.79	+ 6	+ 60	— 3	6	23.18	65.5
			17.8430	20.3017	— 19	+ .2	—1.1	40 37 24.61	— 1 2.12	+ 4	— 11	— 2	6	22.46	
			23.8307	18.0833	+ 49	— .8	—1.1	40 33 57.31	+ 2 25.46	— 9	— 27	+ 4	6	22.51	
			27.1347	12.4417	— 29	+ .1	—1.4	40 42 34.63	— 6 11.46	+ 22	— 16	—10	5	23.17	64.9
			18.1193	15.9580	— 54	— .4	— .6	40 37 17.21	— 54.52	+ 3	— 14	— 2	13	22.69	63.1
			20.7133	19.1380	— 3	—2.2	—2.3	40 37 3.58	— 39.83	+ 2	— 65	— 2	11	23.21	
			29.4610	13.5807	+209	— .5	.0	40 29 40.66	+ 6 42.09	— 23	— 8	+12	7	22.63	61.9
			20.3200	26.0357	+158	—1.4	— .3	40 38 47.70	— 2 24.93	+ 8	— 26	— 5	10	22.64	
			28.0817	11.6823	— 18	— .4	— .1	40 29 28.13	+ 6 54.64	— 24	— 8	+12	6	22.63	
			11.5573 ⁱⁱ	30.3250 ^{iv}	— 8	+1.4	— .1	40 28 27.11	+ 7 54.55	+1.00	+ 21	+13	5	23.05	61.2
			27.5460	13.1203	+ 42	—3.3	—1.6	40 30 17.90	+ 6 4.89	— 21	— 73	+10	6	22.01	
			11.1437	27.7433	— 80	—1.3	— .7	40 43 23.47	— 6 59.67	+ 24	— 35	—13	7	23.63	
July 29	IV 1	D	22.0993	18.1223	+ 3	— .2	—1.1	40 38 3.67	— 1 40.55	+ 6	— 17	— 3	11	23.09	61.0
			24.4153	14.6590	— 39	+2.3	+ .6	40 40 29.42	— 4 6.61	+ 14	+ 44	— 7	6	23.38	
			35.0520	7.9687	+ 95	—1.2	+ .1	40 24 56.79	+11 25.09	+ 88	— 18	+20	6	22.84	
			12.9930	25.5327	— 80	—1.1	—1.8	40 41 40.54	— 5 16.89	+ 19	— 40	—10	7	23.41	60.5
			11.4227	27.8497	— 53	+ .8	+ .5	40 43 17.88	— 6 55.25	+ 24	+ 19	—15	9	23.00	70.4
			5.2773 ⁱⁱ	29.4847 ^{iv}	— 95	—1.5	— .6	40 26 10.14	+10 11.89	+ 92	— 31	+19	6	22.89	69.6
			25.6340	14.8437	+ 22	— .2	— .2	40 31 49.17	+ 4 32.91	— 16	— 5	+ 9	7	22.03	
			18.7197	23.1843	+ 37	—1.0	— .4	40 38 15.59	— 1 52.99	+ 6	— 21	— 3	6	22.48	69.3
July 29	III 1	D	20.8363	18.3530	— 10	+1.6	.0	40 37 24.92	— 1 2.77	+ 4	+ 26	— 2	6	22.49	
			17.8650	23.6070	+ 38	— .5	+ .2	40 33 57.62	+ 2 25.29	— 9	— 5	+ 4	6	22.87	

1885.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther. mom.
						A	B		Micrometer.	δ	l	r	Mer		
July 29	III 9	R	12.4187	27.1360	-31	-.6	+.1	40 42 34.95	-6 12.07	+ 22	- 8	-10	5	22.97	68.4
	IV 1		18.0893	20.2773	-15	+.8	+.6	40 37 17.51	-55.29	+ 3	+ 20	- 2	13	22.56	66.9a
	2	D	18.5970	20.2297	-8	+.8	+.4	40 37 3.88	-41.27	+ 2	+ 18	- 2	11	22.90	
	3		11.7543	27.6473	-43	+1.0	+.8	40 29 40.98	+ 6 41.77	-23	+ 26	+12	7	22.97	66.6a
	4		20.4740	14.7033	-121	+.6	+.3	40 38 48.01	-2 25.62	+ 8	+ 13	- 5	10	22.65	
	5		12.1127	28.4800	+ 43	+.4	.0	40 29 28.46	+ 6 53.98	- 24	+ 6	+12	6	22.44	66.3
	6		30.2137 ^{iv}	11.4463 ⁱⁱ	- 7	-1.1	-.1	40 28 27.44	+ 7 54.55	+1.00	- 19	+13	5	22.98	
	7		14.2620	28.6530	+184	+.7	+1.0	40 30 18.22	+ 6 4.37	- 21	+ 24	+10	6	22.78	
	8		29.5047	12.8857	+173	+.5	-.3	40 43 23.76	- 7 0.68	+ 24	+ 4	-13	7	23.30	
	9		17.1607	21.1657	- 31	+.4	+1.1	40 38 3.95	- 1 41.20	+ 6	+ 20	- 3	11	23.09	65.6a
July 30	10		14.9690 ⁱⁱ	25.6880 ^{iv}	+ 34	-.6	+.6	40 40 29.73	- 4 5.85	-1.14	- 2	- 7	6	22.71	65.6
	11		6.9523 ⁱⁱ	33.9983 ^{iv}	+ 31	+.4	+1.1	40 24 57.09	+11 23.98	+ 88	+ 20	+20	6	22.41	
	12		26.9470	14.3907	+ 73	+1.1	+2.2	40 41 40.80	- 5 17.69	+ 19	+ 45	-10	7	23.72	d a
	III 1	R	30.7697	14.3887	+369	-1.9	-.8	40 43 18.09	+ 6 55.16	+ 24	- 40	-15	9	22.71	66.7
	2		7.4113 ⁱⁱ	32.4030 ^{iv}	- 4	-.7	-.8	40 46 56.50	-10 31.95	- 91	- 21	-25	11	23.29	65.2
	3		7.7847 ⁱⁱ	32.1627 ^{iv}	- 1	+.6	+1.7	40 26 4.63	+10 16.44	+ 92	+ 31	+18	5	22.53	
	4	D	31.9987 ^{iv}	7.8233 ⁱⁱ	- 4	+.9	+.1	40 26 10.44	+10 11.31	+ 92	+ 16	+19	6	23.08	
	5		14.3687	25.1660	- 22	+1.3	+.3	40 31 49.45	+ 4 32.97	- 16	+ 25	+ 9	7	22.67	64.6
	6		23.2177	18.7677	+ 38	-1.2	-2.9	40 38 15.90	- 1 52.62	+ 6	- 56	- 3	6	22.81	
	7		19.1120	21.5853	+ 6	-.8	-.1	40 37 25.24	- 1 2 56	+ 4	- 14	- 2	6	22.62	62.1
July 31	8		22.5443	16.8170	- 17	-.1	+.3	40 33 57.95	+ 2 24.78	- 9	+ 2	+ 4	6	22.76	61.2
	9		27.2777	12.5310	- 15	+.3	+.1	40 42 35.27	- 6 12.86	+ 22	+ 6	-10	5	22.64	61.2
	III 1	D	11.9273	28.3670	+ 20	-.2	-.2	40 43 18.30	+ 6 55.76	+ 24	- 5	-15	9	22.67	64.0
	2		32.4507 ^{iv}	7.4153 ⁱⁱ	- 3	+1.4	+.4	40 46 56.72	-10 33.06	- 91	+ 27	-25	11	22.88	63.5
	3		33.5893 ^{iv}	9.2000 ⁱⁱ	+ 55	-2.2	-2.1	40 26 4.89	+10 16.87	+ 92	- 62	+18	5	22.29	
	4	R	5.9393 ⁱⁱ	30.1293 ^{iv}	- 74	-1.3	-1.1	40 26 10.73	+10 11.50	+ 92	- 35	+19	6	23.05	
	5		27.1520	16.3903	+165	.0	-.4	40 31 49.73	+ 4 32.55	- 16	- 5	+ 9	7	22.23	62.6
	6		19.2770	23.7530	+ 60	-.8	-.1	40 38 16.20	- 1 53.34	+ 6	- 14	- 3	6	22.81	62.1
	7		19.8650	17.3727	- 26	+.9	-.3	40 37 25.55	- 1 2.96	+ 4	+ 10	- 2	6	22.77	
	8		16.7953	22.5093	- 18	+.7	+.2	40 33 58.27	+ 2 24.44	- 9	+ 13	+ 4	6	22.85	
	9		12.6013	27.3360	- 7	-.9	-.2	40 42 35.60	- 6 12.57	+ 22	- 17	-10	5	23.03	61.9
	IV 1	R	17.8257	20.0173	- 21	+.7	+.1	40 37 18.13	-55.37	+ 3	+ 12	- 2	13	23.02	59.8
	2		20.8037	19.1683	0	-1.0	-.6	40 37 4.53	-41.35	+ 2	- 23	- 2	11	23.06	
	3		29.1533	13.2840	+168	-1.6	-1.1	40 29 41.67	+ 6 41.71	- 23	- 39	+12	7	22.95	59.9
	4		19.4473	25.2150	+117	-1.0	.0	40 38 48.66	- 2 26.14	+ 8	- 16	- 5	10	22.49	
	5		28.2360	11.8993	+ 10	-1.2	-.4	40 29 28.86	+ 6 53.13	- 24	- 24	+12	6	21.69	59.8a
	6		11.2867 ⁱⁱ	30.0170 ^{iv}	- 6	+.7	-.3	40 28 28.13	+ 7 53.61	+1.00	+ 7	+13	5	22.99	59.6
	7		26.8360	12.4320	- 47	-2.3	-1.8	40 30 18.91	+ 6 4.11	- 21	- 60	+10	6	22.37	
	9		22.6643	18.6537	+ 23	-.2	.0	40 38 4.52	- 1 41.47	+ 6	- 3	- 3	11	23.16	59.6
	10		25.9500	15.1663	+ 51	+1.4	+.8	40 40 30.36	- 4 7.53	+ 14	+ 32	- 7	6	23.28	59.2
Aug. 3	11		33.7530 ^{iv}	6.7013 ⁱⁱ	+ 13	-.8	+.5	40 24 57.69	+11 24.08	+ 88	- 6	+20	6	22.85	
	12		13.1020	25.7027	- 66	-1.3	-1.1	40 41 41.41	- 5 18.46	+ 19	- 35	-10	7	22.76	59.3
	III 1	R	29.9237	13.4807	+243	-.5	+1.4	40 43 18.79	- 6 56.40	+ 24	+ 10	-15	9	22.67	72.5
	2		7.5200 ⁱⁱ	32.5503 ^{iv}	+ 1	.0	.0	40 46 57.26	-10 32.94	- 91	0	-25	11	23.27	71.9
	3		6.9917 ⁱⁱ	31.3360 ^{iv}	- 33	+2.6	+.7	40 26 5.57	+10 15.50	+ 92	+ 50	+18	5	22.72	
	4	D	33.7027 ^{iv}	9.5860 ⁱⁱ	+ 59	+1.9	+.5	40 26 11.40	+10 9.98	+ 92	+ 37	+19	6	22.92	71.0
	5		13.2980	24.1063	-123	-.6	-1.3	40 31 50.44	+ 4 33.00	- 16	- 26	+ 9	7	23.18	
	6		19.5040	14.9607	-109	+.8	+1.5	40 38 16.99	- 1 54.61	+ 6	+ 32	- 3	6	22.79	
	7		20.7173	23.2473	+ 43	+.4	+.5	40 37 26.38	- 1 4.08	+ 4	+ 13	- 2	6	22.51	
	8		23.0063	17.3270	+ 7	+1.4	.0	40 33 59.13	+ 2 23.63	- 9	+ 22	+ 4	6	22.99	
Aug. 5	9		25.1000	10.2850	-297	+1.3	+.6	40 42 36.48	- 6 13.87	+ 22	+ 28	-10	5	23.06	70.4
	III 1	D	11.5720	28.0480	- 26	-.2	+.7	40 43 19.04	- 6 56.56	+ 24	+ 6	-15	9	22.72	75.4
	2		32.8703 ^{iv}	7.9070 ⁱⁱ	+ 16	+1.6	+2.4	40 46 57.55	-10 33.81	- 91	+ 56	-25	11	23.25	75.5
	3		33.8010 ^{iv}	9.4620 ⁱⁱ	+ 62	-1.5	-.4	40 26 5.74	+10 15.61	+ 92	- 29	+18	5	22.21	
	4	R	5.3937 ⁱⁱ	29.5287 ^{iv}	- 91	.0	-.1	40 26 11.78	+10 10.07	+ 92	- 1	+19	6	23.01	

1895.	Sta r.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Ther- mom.
						A	B		Micrometer.	δ	l	r	Mer		
Aug 5	III 5	R	26.0707	15.3230	+ 64	— .7	— 1.6	40 31 50.83	+ 4 31.94	— 16	— 31	+ 9	7	40 36 22.46	74.5
	6		18.2700	22.8403	+ 23	+ 1.6	+ 3.3	40 38 17.43	— 1 55.63	+ 6	+ 67	— 3	6	22.56	
Aug. 7	9		12.2580	27.0543	— 47	— .1	— .2	40 42 36.97	— 6 14.03	+ 22	— 4	— 10	5	23.07	74.4
	III 1	R	28.8163	12.3570	+ 81	— .7	+ .8	40 43 19.29	— 6 56.41	+ 24	— 1	— 15	9	23.05	75.5
	2		4.7937 ⁱⁱ	29.8560 ^{iv}	— 118	— .3	+ .1	40 46 57.82	— 10 33.45	— 91	— 3	— 25	11	23.29	
	3		7.3830 ⁱⁱ	31.6967 ^{iv}	— 18	+ 2.1	+ 1.0	40 26 6.30	+ 10 14.77	+ 92	+ 46	+ 18	5	22.68	
	4		7.7350 ⁱⁱ	31.8370 ^{iv}	— 7	+ .8	+ .4	40 26 12.13	+ 10 9.44	+ 92	+ 18	+ 19	6	22.92	75.4
	5		27.6803	16.9713	+ 220	+ .3	+ 1.0	40 31 51.20	+ 4 31.35	— 16	+ 18	+ 9	7	22.73	75.4
	6		18.3697	22.9150	+ 25	— 1.6	.0	40 38 17.85	— 1 55.00	+ 6	— 25	— 3	6	22.69	
	7		20.8353	18.2863	— 10	— .3	— .4	40 37 26.91	— 1 4.43	+ 4	— 10	— 2	6	22.46	
	8		17.4147	23.0640	+ 10	— .2	— .3	40 34 0.06	+ 2 22.88	— 9	— 7	+ 4	6	22.88	
	9		13.3140	28.1257	+ 92	— .2	+ .6	40 42 37.43	— 6 14.77	+ 22	+ 4	— 10	5	22.87	74.7
	IV 1	D	19.7253	17.4857	— 27	+ .7	+ .4	40 37 20.00	— 56.56	+ 3	+ 16	— 2	13	23.74	72.4
	2		17.1910	18.9167	— 30	— 1.5	— .9	40 37 6.48	— 43.56	+ 2	— 35	— 2	11	22.68	
	3		11.8960	27.6907	— 27	— .5	— .1	40 29 44.01	+ 6 39.33	— 23	— 9	+ 12	7	23.21	71.4
	4		20.7207	14.8597	— 112	+ .2	— .6	40 38 50.67	— 2 27.92	+ 8	— 4	— 5	10	22.84	
	5		12.4693	28.7410	+ 84	— 1.6	— 1.4	40 29 31.39	+ 6 51.67	— 24	— 43	+ 12	6	22.57	
	6		29.9550 ^{iv}	11.3153 ⁱⁱ	— 6	— 1.4	— .5	40 28 30.37	+ 7 51.32	+ 1.00	— 29	+ 13	5	22.58	70.4
	7		14.4637	28.7243	+ 198	+ 1.8	+ 1.1	40 30 21.14	+ 6 1.10	— 21	+ 43	+ 10	6	22.62	
	9		16.4807	20.5760	— 53	— 1.4	+ 1.8	40 38 6.43	— 1 43.42	+ 6	0	— 3	11	23.15	69.7
Aug. 8	III 1	D	11.4463	27.9533	— 45	+ 1.6	+ 3.1	40 43 19.43	— 6 57.29	+ 24	+ 65	— 15	9	22.97	74.4
	2		33.7603 ^{iv}	8.6987 ⁱⁱ	+ 55	+ .9	+ .9	40 46 57.97	— 10 33.87	— 91	+ 26	— 25	11	23.31	73.6
	3		33.1600 ^{iv}	8.8633 ⁱⁱ	+ 39	— .1	— .1	40 26 12.75	+ 10 14.48	+ 92	— 3	+ 18	5	22.09	
	4		33.8323 ^{iv}	9.7300 ⁱⁱ	+ 64	— .1	— .8	40 26 12.32	+ 10 9.63	+ 92	— 11	+ 19	6	23.01	
	5		13.4863	24.2260	— 108	— .5	+ 1.1	40 31 51.39	+ 4 31.30	— 16	+ 6	+ 9	7	22.75	72.8
	6		21.7827	17.2353	— 20	.0	— .6	40 38 18.06	— 1 54.94	+ 6	— 7	— 3	6	23.14	72.5
	7		18.2730	20.8177	— 10	+ .1	.0	40 37 27.13	— 1 4.32	+ 4	+ 1	— 2	6	22.90	
	8		21.6503	16.0040	— 59	.0	— .1	40 34 0.29	+ 2 22.63	— 9	— 1	+ 4	6	22.92	
Aug. 10	9		25.1300	10.2870	— 297	.0	— .9	40 42 37.67	— 6 14.58	+ 22	— 14	— 10	5	23.12	71.9
	III 1	R	28.9383	12.4570	+ 99	+ .1	+ .2	40 43 19.76	— 6 57.01	+ 24	+ 4	— 15	9	22.97	79.2
	2		6.4233 ⁱⁱ	31.4837 ^{iv}	— 49	— .9	— .6	40 46 58.32	— 10 33.57	— 91	— 22	— 25	11	23.48	78.6
	3		6.6493 ⁱⁱ	30.9437 ^{iv}	— 47	+ 1.0	+ 1.4	40 26 6.91	+ 10 14.21	+ 92	+ 34	+ 18	5	22.61	
	4		5.6637 ⁱⁱ	29.7527 ^{iv}	— 83	+ .3	+ .3	40 26 12.75	+ 10 8.92	+ 92	+ 9	+ 19	6	22.93	78.4
	5		27.3627	16.6543	+ 187	— 1.2	— .8	40 31 51.83	+ 4 31.25	— 16	— 29	+ 9	7	22.79	78.4
	6		18.0507	22.6357	+ 14	— .8	+ .1	40 38 18.55	— 1 55.98	+ 6	— 11	— 3	6	22.55	
	7		21.4327	18.8587	— 1	+ .1	— .7	40 37 27.63	— 1 5.09	+ 4	— 7	— 2	6	22.55	78.1
	8		16.2580	21.8897	— 46	— .7	+ 1.2	40 34 0.81	+ 2 22.29	— 9	+ 4	+ 4	6	23.15	
	9		13.1953	28.0190	+ 78	— 1.7	— .2	40 42 38.19	— 6 15.04	+ 22	— 30	— 10	5	23.02	78.0
	IV 1	R	22.0053	24.2823	+ 65	+ .8	+ .1	40 37 20.72	— 57.74	+ 3	+ 14	— 2	13	23.26	75.8
	2		21.4317	19.7007	+ 7	— 2.3	— 1.2	40 37 7.24	— 43.79	+ 2	— 52	— 2	11	23.04	
	3		29.5997	13.8730	+ 240	— .6	— .7	40 29 44.64	+ 6 38.28	— 23	— 18	+ 12	7	22.70	75.3
	4		16.1543	22.0657	— 47	— 1.1	+ .2	40 38 51.94	— 2 29.36	+ 8	— 15	— 5	10	22.06	d
	5		27.0440	10.8070	— 154	.0	— 1.5	40 29 32.24	+ 6 50.19	— 24	— 19	+ 12	6	22.18	
	6		11.1263 ⁱⁱ	29.7127 ^{iv}	— 4	+ 1.5	.0	40 28 31.23	+ 7 49.98	+ 1.00	+ 24	+ 13	5	22.63	74.8
	7		28.0523	13.7860	+ 113	— 1.0	— 1.8	40 30 21.99	+ 6 1.03	— 21	— 39	+ 10	6	22.58	
	8		11.0993	27.8903	— 73	— .6	.0	40 43 27.38	— 7 4.41	+ 24	— 9	— 13	7	23.06	74.5d
	9		21.5877	17.4640	— 19	— .5	— 1.4	40 38 7.13	— 1 44.22	+ 6	— 26	— 3	11	22.79	74.5d
	10		24.8980	14.9930	— 4	+ 1.6	+ .5	40 40 33.31	+ 4 10.46	+ 14	+ 32	— 7	6	23.30	
	11		33.6720 ^{iv}	6.7197 ⁱⁱ	+ 11	— .7	— 1.0	40 25 0.54	+ 11 21.56	+ 88	— 24	+ 20	6	23.00	d
	12		13.1563	25.8540	— 55	— .3	— 1.2	40 41 44.18	— 5 20.94	+ 19	— 20	— 10	7	23.20	74.4
Aug. 12	III 1	D	14.2027	30.6710	+ 350	— .7	— .3	40 43 20.12	— 6 57.31	+ 24	— 15	— 15	9	22.84	77.0
	2		32.8140 ^{iv}	7.7263 ⁱⁱ	+ 12	— 1.5	— .2	40 46 58.70	— 10 34.42	— 91	— 26	— 25	11	22.97	76.8
	3		33.1803 ^{iv}	8.8807 ⁱⁱ	+ 40	— 1.7	— 1.6	40 26 7.88	+ 10 14.56	+ 92	— 48	+ 18	5	22.61	
	4		32.1783 ^{iv}	8.0790 ⁱⁱ	+ 4	— 1.1	— 1.2	40 26 13.22	+ 10 9.40	+ 92	— 33	+ 19	6	23.46	
	5		13.1023	23.8073	— 144	— .1	+ 2.2	40 31 52.32	+ 4 30.33	— 16	+ 20	+ 9	7	22.91	77.0

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Aug 12	III 6	D	21.9780	17.3827	-14	-.1	-.6	40 38 19.08	-1 56.16	+ 6	- 9	- 3	6	40 36 22.92	76.6
	7		18.5497	21.1653	-5	-.6	-.1	40 37 28.18	-1 6.13	+ 4	- 11	- 2	6	22.02	
	8		21.0697	15.4613	-87	+1.0	+1.0	40 34 1.38	+ 2 21.60	- 9	+ 29	+ 4	6	23.28	
Aug 13	9		24.7990	9.9007	-344	+1.0	+ .1	40 42 38.77	- 6 15.86	+ 22	+ 17	-10	5	23.25	75.6
	IV 1	D	19.4770	17.1497	-39	-.7	-.8	40 37 21.58	- 58.76	+ 3	- 21	- 2	13	22.75	68.5
	2		20.0347	21.8340	+ 14	-.1	.0	40 37 8.13	- 45.53	+ 2	- 1	- 2	11	22.70	
	3		11.8597	27.5823	-38	+ .3	-.9	40 29 45.61	+ 6 37.48	- 23	- 6	+12	7	22.99	
	4		21.5277	15.5817	-77	-.8	-.5	40 38 52.35	- 2 30.16	+ 8	- 19	- 5	10	22.13	68.5
	5		11.9973	28.1790	+ 14	-1.4	-1.4	40 29 33.25	+ 6 49.22	- 24	- 40	+12	6	22.01	
	6		28.0867 ^{iv}	9.5210 ^h	+ 14	-.8	-.5	40 28 32.22	+ 7 49.50	+1.00	- 19	+13	5	22.71	68.4
	7		14.8207	29.0080	+236	+1.9	+ .8	40 30 22.97	+ 5 59.35	- 21	+ 40	+10	6	22.67	
	8		27.2013	10.3590	-181	+1.8	+1.3	40 43 28.32	- 7 5.43	+ 24	+ 45	-13	7	23.52	68.0
	9		18.5953	22.7470	+ 24	-.2	.0	40 38 8.01	- 1 45.04	+ 6	- 3	- 3	11	23.08	
	10		16.7130	26.6083	+142	-2.2	- .1	40 40 34.24	- 4 10.58	+ 14	- 37	- 7	6	23.42	67.0
	11		6.1177 ⁱⁱ	33.0333 ^{iv}	- 27	-.1	+ .1	40 25 1.44	+11 20.54	+ 88	0	+20	6	23.12	66.9
Aug 15	12		25.2137	12.4527	-131	+1.9	+ .5	40 41 45.05	- 5 22.35	+ 19	+ 37	-10	7	23.23	
	III 1	R	28.4553	11.9600	+ 30	-.3	-.3	40 43 20.58	- 6 57.19	+ 24	- 9	-15	9	23.48	76.1
	2		6.1167 ⁱⁱ	31.2223 ^{iv}	- 62	-1.1	-.8	40 46 59.23	-10 34.68	- 91	- 27	-25	11	23.23	75.4
	3		7.7103 ⁱⁱ	31.9610 ^{iv}	- 6	+ .7	+ .2	40 26 8.02	+10 13.41	+ 92	+ 13	+18	5	22.71	
	4		3.6330 ⁱⁱ	27.6930 ^{iv}	-157	-.8	-.6	40 26 13.88	+10 8.00	+ 92	- 20	+19	6	22.85	74.4
	5		25.8967	15.2267	+ 51	-1.7	-.5	40 31 53.01	+ 4 29.94	- 16	- 34	+ 9	7	22.61	
	6		18.5977	23.2103	+ 36	-1.3	-.5	40 38 19.84	- 1 56.73	+ 6	- 27	- 3	6	22.93	
	7		20.5060	17.8647	- 18	-.3	-.7	40 37 28.99	- 1 6.74	+ 4	- 14	- 2	6	22.19	
	8		15.8290	21.3927	- 69	-.8	.0	40 34 2.21	+ 2 20.51	- 9	- 13	+ 4	6	22.60	
	9		12.1867	27.0753	- 49	-2.0	-.6	40 42 39.63	- 6 16.36	+ 22	- 39	-10	5	23.05	74.5
	IV 1	R	18.0510	20.3873	- 14	-.8	-.8	40 37 22.18	- 59.04	+ 3	- 23	- 2	13	23.05	72.4
	2		22.5847	20.7913	+ 27	-2.0	-1.4	40 37 8.76	- 45.43	+ 2	- 50	- 2	11	22.94	
	3		28.4610	12.8153	+ 86	-.1	+ .9	40 29 46.30	+ 6 35.85	- 23	+ 10	+12	7	22.21	
	4		18.2380	24.2023	+ 64	+ .5	+2.5	40 38 53.00	- 2 30.98	+ 8	+ 40	- 5	10	22.55	71.6
	5		29.9307	13.7960	+261	+ .2	+ .1	40 29 33.96	+ 6 48.65	- 24	+ 4	+12	6	22.59	
	6		10.8867 ⁱⁱ	29.3997 ^{iv}	- 2	+2.2	+2.3	40 28 32.94	+ 7 48.13	+1.00	+ 65	+13	5	22.90	71.3
	7		27.7677	13.5973	+ 83	-.8	-.2	40 30 23.69	+ 5 58.53	- 21	- 15	+10	6	22.02	
	9		20.8853	16.7020	- 45	+ .9	+ .7	40 38 8.59	- 1 45.67	+ 6	+ 23	- 3	11	23.29	71.4
	10		24.8310	14.8570	- 13	+1.3	+ .2	40 40 34.92	- 4 12.18	+ 14	+ 23	- 7	6	23.10	
	11		35.6133 ^{iv}	8.7593 ⁱⁱ	+130	-.8	-.1	40 25 2.09	+11 19.38	+ 88	- 14	+20	6	22.47	
Aug 18	12		12.7653	25.5480	- 94	-.5	-.7	40 41 45.69	- 5 23.00	+ 19	- 17	-10	7	22.68	71.4
	III 1	D	11.9913 ⁱⁱ	28.4920 ^{iv}	- 7	+1.4	+1.3	40 43 20.86	- 6 57.23	-1.04	+ 39	-15	9	22.92	71.4
	2		31.8417 ^{iv}	6.7007 ⁱⁱ	- 34	-.2	+ .1	40 46 59.57	-10 35.65	- 91	- 1	-25	11	22.86	
	3		33.6667 ^{iv}	9.4270 ⁱⁱ	+ 59	-1.9	-1.5	40 26 8.49	+10 13.09	+ 92	- 49	+18	5	22.24	
	4		33.3410 ^{iv}	9.3047 ⁱⁱ	+ 47	-1.2	-1.3	40 26 14.35	+10 7.92	+ 92	- 36	+19	6	23.08	
	5		13.7880	24.4433	- 81	+ .2	-.1	40 31 53.52	+ 4 29.23	- 16	+ 1	+ 9	7	22.76	70.4
	6		22.5067	17.8500	+ 8	+ .9	.0	40 38 20.44	- 1 57.77	+ 6	+ 14	- 3	6	22.90	
	7		19.0150	21.6850	+ 8	+1.4	+1.8	40 37 29.62	- 1 7.54	+ 4	+ 45	- 2	6	22.61	70.4
	8		22.9807	17.4383	+ 9	-.4	-.7	40 34 2.88	+ 2 20.17	- 9	- 15	+ 4	6	22.91	70.4
	9		26.2887	11.3727	-150	-1.5	-1.9	40 42 40.33	- 6 16.80	+ 22	- 48	-10	5	23.22	69.5
	IV 1	D	20.2373	17.8823	- 18	-2.5	-2.7	40 37 22.99	- 59.50	+ 3	- 74	- 2	13	22.89	68.4
	2		19.2723	21.1053	+ 1	-2.7	-1.0	40 37 9.61	- 46.35	+ 2	- 56	- 2	11	22.81	
	3		11.6557	27.3177	- 67	+ .5	+ .5	40 29 47.24	+ 6 35.86	- 23	+ 14	+12	7	23.20	68.5
	4		22.2330	16.2140	- 43	+1.4	+ .1	40 38 53.89	- 2 32.09	+ 8	+ 24	- 5	10	22.17	
	5		12.0270	28.1423	+ 11	.0	-.4	40 29 34.93	+ 6 47.53	- 24	- 5	+12	6	22.35	67.5
Aug 19	III 2	R	7.2353 ⁱⁱ	32.3397 ^{iv}	- 10	-.1	-1.1	40 46 59.66	-10 34.78	- 91	- 15	-25	11	23.68	65.4
	3		7.2517 ⁱⁱ	31.4773 ^{iv}	- 24	+2.3	+1.4	40 26 8.62	+10 12.53	+ 92	+ 55	+18	5	22.85	
	4		7.7633 ⁱⁱ	31.7823 ^{iv}	- 8	-1.0	.0	40 26 14.49	+10 7.34	+ 92	- 16	+19	6	22.84	
	5		27.4970	16.8803	+202	+ .4	-.1	40 31 53.66	+ 4 28.97	- 16	+ 5	+ 9	7	22.68	65.9
	6		18.7563	23.4127	+ 45	-1.1	-.4	40 38 20.61	- 1 57.86	+ 6	- 22	- 3	6	22.62	

1895.	Star.	P	Micrometer.		C	Levels.		$\frac{1}{2}(\delta + \delta')$	Corrections.					Latitude.	Thermom.
						A	B		Micrometer.	δ	l	r	Mer		
Aug 19	III 7	R	19.2623	16.6047	- 49	+1.2	- .4	40 37 29.79	- 1 7.08	+ 4	+ 14	- 2	6	40 36 22.93	64.8
	8		18.3123	23.8263	+ 51	- .6	- .1	40 34 3.08	+ 2 19.56	- 9	- 11	+ 4	6	22.54	64.8
	9		18.8397	28.7437	+168	-1.2	-1.2	40 42 40.53	- 6 17.30	+ 22	- 35	-10	5	23.05	65.0
	IV 1	R	19.5483	21.9500	+ 15	+2.1	+ .7	40 37 23.23	- 1 0.77	+ 3	+ 43	- 2	13	23.03	62.0
	2		22.3017	20.4440	+ 21	- .1	+ .7	40 37 9.86	- 47.03	+ 2	+ 7	- 2	11	23.01	
	3		29.1583	13.5593	+184	- .0	- .5	40 29 47.52	+ 6 34.91	- 23	- 6	+12	7	22.33	61.5
	4		18.8640	24.8460	+ 98	-1.3	- .5	40 38 54.16	- 2 31.51	+ 8	- 27	- 5	10	22.51	
	5		28.2740	12.1780	+ 24	- .3	+ .1	40 29 35.25	+ 6 47.10	- 24	- 3	+12	6	22.26	
	6	D	29.4143 ^{iv}	10.9210 ⁱⁱ	- 2	-1.1	-1.0	40 28 34.25	+ 7 47.63	+1.00	- 30	+13	5	22.76	62.1
	7		13.8157	27.9407	+108	+ .9	- .3	40 30 25.00	+ 5 57.45	- 21	+ 10	+10	6	22.50	
	8		33.7157	16.8823	+771	+1.4	+ .5	40 43 30.29	- 7 7.61	+ 24	+ 29	-13	7	23.15	
	9		14.8993	19.1410	-109	- .4	+1.7	40 38 9.74	- 1 46.98	+ 6	+ 16	- 3	11	23.06	
	10		15.5310	25.5287	+ 43	- .8	+ .2	40 40 36.23	- 4 12.92	+ 14	- 10	- 7	6	23.34	59.8
	11		5.6850 ⁱⁱ	32.4977 ^{iv}	- 55	+1.0	+ .3	40 25 3.38	+11 17.87	+ 88	+ 20	+20	6	22.59	59.3

Adjustment of the Latitude.

In case every pair of a given group has been observed on any night, the mean of the resulting latitudes will be based upon the mean value of the declinations of all stars of this group. The differences between the individual values and the mean of all will furnish the corrections required to reduce the individual latitudes to the mean system. These corrections will only be required in case of failure to observe one or more of the pairs forming the group.

In order to avoid errors resulting from outstanding uncertainties as to the value of the micrometer screw, it is desirable that the plus and minus corrections of each group shall balance as nearly as may be. This condition cannot be fully realized, at least not for any considerable time, owing to the effect of precession. The following tabular statement gives the approximate values of these corrections, in terms of micrometer revolutions, for each group of this series.

		Beginning.				End.			
		I	II	III	IV	I	II	III	IV
Pair	1	-15.3	- 6.4	-15.8	- 1.3	-15.4	- 6.4	-16.4	- 2.1
	2	+ 4.2	- 5.1	-24.4	- 0.7	+ 4.0	- 5.1	-25.0	- 1.6
	3	-14.2	+ 2.5	+25.2	[+16.8]	-14.4	+ 2.5	+24.4	[+15.9]
	4	- 3.5	- 2.1	+25.0	- 4.8	- 3.6	- 2.1	+24.2	- 5.7
	5	+ 8.3	- 0.3	+11.7	+17.4	+ 8.3	- 0.3	+10.9	+16.4
	6	+ 6.7	-22.9	- 3.5	+19.8	+ 6.8	-22.9	- 4.4	+18.8
	7	-16.1	[-11.7]	- 1.4	+15.4	-16.1	[-11.7]	- 2.4	+14.4
	8	+ 6.4	+20.9	+ 6.8	-15.6	+ 6.5	+20.8	+ 5.8	-16.6
	9	- 5.3	[+ 3.5]	-13.6	- 3.0	- 5.2	[+ 3.5]	-14.7	- 4.0
	10	+21.4	+16.0		- 8.7	+21.6	+15.9		- 9.8
	11				[+28.1]				[+27.1]
	12				-11.5				-12.6
Mean . . .		-0.7	- 0.6	+ 1.1	+ 4.3	- 0.7	- 1.0	+ 0.3	+ 3.3
Omitting brackets			+ 0.3		+ 0.4		+ .3		- 0.1

By omitting the bracketed pairs in Groups II and IV the algebraic sum of the corrections is in every case so small that very little apprehension need exist with respect to errors from this source. The latitudes have therefore been reduced to the means of the remaining pairs of these groups. One of the component stars of Pair 9, Group II, is a variable which was lost on so many occasions that this pair was not included.

The following tabular statements show the individual differences from the mean values, with the resulting reductions for the separate pairs.

I.

1894.	1	2	3	4	5	6	7	8	9	10
Jan. 19	+ 3	+ 59	- 56	- 5	- 58	+ 22	- 55	+ 31	+ 52	+ 02
25	- 3	+ 19	+ 3	- 71	+ 3	+ 29	- 16	- 19	+ 35	+ 24
27	+ 9	+ 13	- 21	+ 16	- 28	+ 2	- 44	+ 19	- 6	+ 35
30	- 2	+ 42	- 7	+ 2	+ 47	+ 17	- 12	- 24	- 8	- 51
Feb. 6	+ 25	+1.15	+ 5	- 63	+ 4	- 89	- 29	- 8	+ 43	+ 3
23	+ 19	+ 38	- 11	+ 6	+ 63	- 49	- 31	+ 9	- 26	- 19
24	- 4	+ 8	+ 23	- 24	- 70	- 18	- 8	+ 38	+ 23	+ 36
27	- 46	+ 60	+ 19	- 31	- 12	+ 10	- 24	+ 15	+ 19	- 9
Mar. 3	- 16	+ 41	- 65	- 25	+ 12	- 7	- 17	+ 9	+ 25	+ 47
4	+ 16	+ 70	- 12	- 14	+ 29	- 52	+ 15	- 28	- 11	- 13
7	+ 38	+ 31	+ 9	- 42	- 49	- 8	- 25	- 26	+ 31	+ 39
12	+ 20	+ 17	- 21	- 18	+ 14	- 30	- 20	+ 19	+ 29	- 10
14	+ 13	+ 21	- 7	- 39	+ 38	+ 9	- 33	- 13	+ 21	- 11
Oct. 11	- 44	+ 11	+ 78	+ 91	- 16	- 61	- 13	- 39	+ 6	- 10
17	- 28	+ 30	+ 8	- 23	- 14	- 13	+ 9	- 38	+ 15	+ 48
18	+ 12	+ 30	+ 13	+ 42	- 58	- 27	- 7	+ 12	+ 39	- 52
19	+ 11	+ 52	+ 29	- 47	+ 22	- 52	+ 33	- 86	+ 58	- 24
27	+ 30	+ 65	- 40	+ 19	- 26	- 27	- 18	- 11	+ 40	- 38
31	- 19	+ 14	+ 23	- 33	- 30	+ 16	- 32	- 44	+ 79	+ 26
Nov. 1	- 30	+ 50	- 25	+ 1	- 42	+ 11	- 25	- 3	+ 65	+ 3
3	- 13	+ 12	+ 29	- 13	- 5	- 6	- 46	- 12	+ 35	+ 18
10	- 0	- 12	+ 27	- 34	+ 29	- 24	- 46	+ 36	+ 17	+ 2
11	- 14	+ 32	- 8	- 11	- 52	+ 4	- 5	- 22	+ 34	+ 40
19	- 2	+ 31	+ 5	- 16	+ 5	- 35	- 10	- 54	+ 40	+ 40
Dec. 3	- 16	+ 54	- 22	+ 12	- 54	+ 23	- 56	+ 6	+ 48	+ 3
4	- 16	+ 17	+ 56	- 44	+ 13	- 13	- 24	- 44	+ 76	- 17
5	+ 19	+ 35	- 8	+ 34	- 32	- 16	- 53	+ 20	+ 21	- 19
23	- 2	+ 38	- 13	+ 6	+ 6	+ 7	- 87	+ 12	+ 86	- 52
27	+ 41	- 17	- 13	- 56	+ 43	+ 21	+ 14	- 70	- 21	+ 62
1895. 31	+ 4	- 32	+ 51	- 54	+ 2	- 26	- 34	+ 16	+ 60	+ 12
Jan. 1	+ 29	+1.06	- 1	- 48	- 89	- 34	- 92	+ 32	+ 89	+ 8
4	+ 11	+ 43	+ 4	- 32	- 79	- 93	- 38	+ 47	+1.04	+ 32
11	+ 13	+ 6	- 16	+ 15	- 23	- 9	+ 8	- 9	+ 18	- 1
16	- 7	+ 21	+ 23	+ 37	- 50	- 31	- 60	+ 38	+ 4	+ 21
19	+ 18	+ 42	+ 45	- 6	+ 11	- 58	+ 16	- 21	- 47	+ 4
23	+ 22	- 16	- 51	+ 32	- 27	- 13	- 52	+ 53	+ 30	+ 18
24	- 42	+ 14	+ 17	- 32	+ 18	- 27	- 32	- 13	+ 59	+ 37
27	+ 55	+ 4	- 3	- 56	- 5	- 25	- 41	+ 62	+ 8	+ 3
31	+ 5	+ 28	+ 7	- 60	- 11	- 18	- 28	+ 16	+ 54	+ 7
Feb. 2	+ 7	- 12	- 8	- 10	- 26	- 1	- 28	- 23	+ 92	+ 9
Mar 3	+ 10	+ 13	+ 81	- 75	+ 4	- 45	- 23	- 18	+ 5	+ 45
9	+ 16	+ 58	- 41	+ 11	- 23	- 1	- 64	+ 18	- 30	+ 57
Mean .	+ 03	+ 30	+ 02	- 16	- 13	- 17	- 27	- 03	+ 32	+ 09

II.

1894.	1	2	3	4	5	6	7	8	9	10
Feb. 1	+ 14	- 20	+ 3	+ 13	- 18	+ 34	- 28	- 41		+ 15
16	- 38	+ 68	+ 15	- 57	- 6	+ 22	+ 31	- 2		+ 1
24	+ 6	+ 77	+ 7	- 7	+ 45	+ 38	- 20	- 69		- 23
26	- 13	- 24	+ 6	- 98	- 37	- 28	- 22	+ 37		- 37
Mar. 4	- 22	+ 35	+ 4	+ 49	+ 12	- 15	+ 60	- 46		- 14
14	- 36	+ 33	- 4	+ 49	+ 14	- 6	+ 74	- 29	- 18	- 17
16	- 24	- 59	+ 30	+ 31	- 12	+ 32	+ 04	- 25	- 46	+ 12
April 13	- 29	- 39	+ 3	+ 26	+ 18	+ 1	- 22	- 3	- 14	+ 19
14	- 19	- 3	+ 28	+ 42	+ 17	- 97	+ 69	+ 25	- 53	+ 10
15	+ 15	- 35	- 11	+ 63	- 7	- 45	- 13	+ 26	- 15	- 6
22	+ 2	- 20	+ 40	+ 59	+ 29	- 69	+ 31	- 53	+ 8	+ 9
24	+ 8	- 20	- 14	+ 26	- 3	- 6	- 41	+ 13	- 4	- 7
25	- 29	- 36	+ 52	+ 61	+ 76	- 53	+ 76	- 56	- 28	- 13
26	- 32	+ 26	- 24	+ 42	+ 13	+ 9	+ 4	- 44	- 2	+ 10
May 8	- 40	+ 26	- 0	+ 43	+ 20	- 52	+ 44	- 21	- 39	+ 21
9	- 2	- 70	+ 27	+ 57	+ 27	+ 39	+ 12	- 61	- 62	- 20
12	+ 4	- 19	+ 11	+ 61	+ 22	- 72	- 16	- 28	- 24	+ 18
26	- 16	- 12	+ 23	+ 38	- 8	- 23	+ 23	- 25	- 33	+ 26
June 10	- 32	- 8	+ 3	+ 42	+ 46	- 5	- 8	- 58	- 96	+ 18
14	- 11	+ 13	+ 12	+ 36	+ 54	- 64	+ 46	- 16		+ 26
15	- 24	+ 16	+ 15	+ 97	+ 16	- 15	- 3	- 85	- 30	- 17
17	+ 10	- 5	- 3	+ 43	+ 33	- 24	+ 38	- 1		- 51
1895. 22	+ 30	- 35	- 17	+ 21	+ 68	- 27	+ 13	- 59		+ 17
Mar. 16	+ 59	- 17	- 21	+ 14	- 10	- 45	+ 33	- 3	- 12	+ 20
17	- 20	- 39	+ 34	+ 20	+ 68	- 7	+ 60	- 57	- 51	+ 2
21	+ 24	- 32	- 9	+ 39	+ 17	+ 3	+ 6	- 22	- 30	- 19
25	- 10	+ 19	+ 32	- 21	- 6	- 20	+ 29	- 38	- 52	+ 42
28	- 2	- 4	- 10	+ 64	+ 32	- 23	- 30	- 33	- 77	- 22
April 10	+ 27	- 28	+ 18	+ 37	+ 7	- 48	+ 17	- 11	- 8	- 2
11	- 1	- 57	+ 16	+ 44	+ 31	- 14	- 33	+ 16	- 27	- 3
14	- 25	- 3	+ 13	+ 5	+ 43	- 31	- 11	- 35	- 74	+ 35
18	- 0	- 30	+ 26	+ 85	- 30	- 50	+ 9	- 22	- 7	+ 69
19	- 2	+ 46	- 58	+ 22	- 11	+ 11	+ 37	- 33	- 32	+ 26
20	- 1	+ 11	- 40	+ 14	- 37	- 12	+ 51	+ 34	- 42	+ 28
21	+ 15	- 16	- 12	+ 29	+ 7	- 55	+ 1.03	- 13	- 15	+ 41
23	+ 8	- 7	- 19	+ 72	+ 7	- 59	- 29	- 51	- 85	+ 47
May 1	- 41	+ 43	+ 13	+ 69	- 10	- 41	- 8	- 19	- 49	+ 20
6	- 46	+ 12	- 5	+ 49	+ 49	- 37	+ 82	- 33	- 45	+ 9
9	+ 11	- 25	- 5	+ 52	+ 35	- 17	+ 31	- 51	- 59	- 4
16	- 88	+ 82	- 36	+ 65	+ 28	- 40	+ 6	- 52	- 29	+ 38
18	+ 7	- 23	- 3	+ 29	+ 31	- 24	+ 59	- 43	- 44	+ 27
22	- 43	- 20	+ 48	+ 24	- 13	- 3	- 23	- 5	- 77	+ 13
23	+ 36	- 44	- 25	+ 22	+ 45	- 18	+ 39	- 30	- 8	+ 13
28	+ 17	- 14	- 25	+ 15	+ 42	- 24	- 17	- 30	- 82	+ 21
29	+ 19	- 33	+ 14	+ 25	+ 49	- 38	+ 3	- 4	- 69	- 30
30	- 48	- 4	- 19	+ 29	+ 59	- 22	- 10	- 6	- 65	+ 13
June 7	- 41	+ 8	+ 39	+ 33	+ 41	- 22	+ 60	- 38	- 29	- 18
8	- 22	- 5	+ 8	+ 48	+ 40	+ 2	+ 18	- 62	- 90	- 8
9	+ 6	- 37	- 9	+ 58	+ 1	- 19	+ 26	- 62	+ 12	+ 63
11	- 20	+ 22	- 1	- 4	+ 35	- 17	+ 27	- 51	- 52	+ 32
14	+ 28	+ 5	+ 23	+ 31	+ 20	- 40	+ 41	- 52		- 18
23	- 14	- 2	+ 9	+ 30	- 0	- 20	+ 31	+ 8	- 66	- 14
Mean .	- 09	- 06	+ 02	+ 37	+ 20	- 24	+ 18	- 27	- 40	+ 07

THE SAYRE OBSERVATORY.

III.

1894.	1	2	3	4	5	6	7	8	9
May 8	— 4	— 22	— 41	— 32	+ 37	+ 37	+ 33	— 24	+ 19
12	— 0	— 35	+ 24	— 11	+ 13	— 17	+ 58	+ 29	— 63
26	— 10	— 50	— 13	— 40	+ 26	+ 22	+ 23	+ 74	— 33
27	— 11	— 33	+ 61	— 85	+ 7	— 10	+ 66	+ 51	— 47
June 10	+ 12	— 48	— 8	— 50	+ 2	+ 12	+ 22	+ 42	+ 18
15	— 15	— 35	— 5	— 87	+ 63	— 9	— 1	+ 37	+ 49
28	— 3	— 11	— 16	— 22	+ 25	— 0	+ 11	+ 21	— 3
July 9	+ 26	+ 19	+ 3	— 53	— 4	— 0	+ 22	+ 18	— 27
12	— 2	— 24	— 42	— 31	+ 39	+ 26	+ 30	— 14	+ 14
13	— 37	+ 3	+ 6	— 93	+ 26	+ 9	+ 20	+ 87	— 24
17	— 22	— 32	— 0	— 33	+ 48	+ 22	+ 12	— 16	+ 17
25	— 8	— 62	+ 47	— 12	+ 13	+ 5	— 22	+ 61	— 24
Aug. 5	+ 65	— 51	— 25	— 31	— 9	+ 20	+ 10	— 3	+ 26
6	+ 24	+ 4	— 64	— 49	+ 2	+ 18	+ 43	— 12	+ 32
9	+ 51	+ 7	— 24	— 97	+ 30	+ 35	+ 25	— 19	— 9
10	+ 14	+ 45	— 73	— 85	+ 21	+ 27	+ 23	+ 6	+ 16
21	+ 31	+ 41	— 80	— 12	+ 1	+ 7	— 33	+ 13	+ 30
22	— 2	+ 59	+ 25	— 1.04	— 5	+ 15	+ 32	— 5	— 16
23	+ 28	— 20	— 48	— 82	+ 35	+ 54	+ 25	— 31	+ 40
24	+ 44	+ 18	+ 21	— 79	— 39	+ 6	+ 45	— 20	+ 7
31	+ 26	— 1	— 29	— 35	+ 17	+ 3	— 4	— 4	+ 24
Sept. 11	— 1	+ 34	— 49	— 70	+ 2	— 0	+ 28	+ 27	+ 30
Mean .	+ 09	— 09	— 15	— 54	+ 16	+ 13	+ 21	+ 15	+ 04

III.

1895.	1	2	3	4	5	6	7	8	9
May 9	— 5	— 57	+ 19	— 45	+ 28	— 16	+ 23	+ 36	+ 20
10	— 10	— 35	+ 35	— 60	— 5	+ 32	+ 34	+ 52	— 42
22	— 9	— 22	— 8	— 68	+ 9	+ 40	+ 51	— 17	+ 20
23	+ 29	— 29	+ 61	— 21	+ 8	+ 2	— 3	— 28	— 11
28	— 22	— 43	— 14	— 52	+ 28	+ 11	+ 34	+ 68	— 8
29	— 31	— 38	+ 43	— 51	— 6	+ 25	+ 41	+ 29	— 15
30	— 40	— 36	— 11	— 13	— 7	+ 23	+ 58	+ 24	— 24
June 7	+ 14	— 18	+ 51	— 19	+ 25	— 40	+ 51	— 29	— 37
8	— 26	— 34	— 7	— 55	+ 4	+ 49	+ 26	+ 69	— 30
11	— 31	— 16	— 34	— 46	+ 40	+ 59	+ 32	+ 42	— 49
25	+ 15	— 10	+ 54	— 78	— 27	+ 14	+ 84	— 11	— 38
July 9	— 54	— 23	+ 56	— 17	— 2	— 28	+ 46	+ 7	+ 16
10	— 42	— 39	— 6	— 1	+ 29	— 17	+ 77	+ 29	— 32
12	— 7	— 33	+ 42	— 9	— 30	— 5	+ 30	+ 33	— 19
18	— 21	— 8	+ 71	— 10	— 2	— 50	+ 29	+ 23	— 28
19	+ 26	— 22	— 2	— 80	+ 33	+ 8	+ 27	+ 16	— 4
25	— 5	+ 33	+ 49	— 51	+ 12	— 18	+ 25	— 7	— 37
28	— 21	— 36	+ 71	— 30	— 11	— 28	+ 44	+ 39	— 27
30	+ 8	— 50	+ 26	— 29	+ 12	— 2	+ 17	+ 3	+ 15
31	+ 6	— 15	+ 44	— 32	+ 50	— 8	— 4	— 12	— 30
Aug. 3	+ 23	— 37	+ 18	— 2	— 28	+ 11	+ 39	— 9	— 16
7	— 21	— 45	+ 16	— 8	+ 11	+ 15	+ 38	— 4	— 3
8	— 6	— 40	+ 82	— 10	+ 16	— 23	+ 1	— 1	— 21
10	— 8	— 59	+ 28	— 4	+ 10	+ 34	+ 34	— 26	— 13
12	+ 8	— 5	+ 31	— 54	+ 1	— 0	+ 90	— 36	— 33
15	— 63	— 38	+ 14	— 0	+ 24	— 8	+ 66	+ 25	— 20
18	— 9	— 3	+ 59	— 25	+ 7	— 7	+ 22	— 8	— 39
Mean .	— 11	— 28	+ 30	— 32	+ 9	+ 3	+ 37	+ 11	— 19

IV.

1894.	1	2	3	4	5	6	7	8	9	10	11	12
July 9	— 12	— 11	+ 9	+ 34	— 35	— 34	+ 30	— 38	+ 51	— 34	— 52	+ 50
12	+ 32	— 5	+ 37	+ 77	+ 5	— 70	+ 64	— 32	— 19	— 30	+ 42	— 22
13	— 19	+ 50	— 16	+ 24	+ 11	— 19	+ 12	— 31	— 12	— 24	— 51	+ 8
Aug. 5	— 37	+ 5	— 28	+ 49	— 19	— 1	+ 9	— 32	— 25	— 8	— 76	+ 50
6	— 14	— 8	— 18	+ 31	+ 23	— 53	— 3	— 50	— 8	+ 22	— 61	+ 58
9	— 80	+ 41	— 37	+ 41	+ 2	— 14	+ 18	— 30	+ 7	— 4	— 45	+ 21
20	— 14	+ 26	— 50	+ 26	— 34	— 37	— 8	— 49	— 33	+ 58	— 1.12	+ 63
22	— 2	— 12	— 3	+ 57	+ 3	— 36	+ 18	— 31	+ 11	+ 9	— 38	+ 19
23	+ 36	— 0	— 40	+ 11	+ 8	— 27	+ 16	— 47	+ 15	— 40	— 38	+ 31
31	— 46	— 4	— 25	+ 6	+ 53	+ 22	— 18	— 47	— 8	— 10	— 69	+ 57
Sept. 11	— 27	+ 12	— 22	+ 56	+ 12	+ 15	+ 29	— 99	— 1	— 24	— 22	+ 23
12	+ 3	+ 41	— 3	+ 29	+ 12	— 21	+ 18	— 76	+ 7	— 2	— 39	— 8
15	— 8	+ 5	— 5	+ 23	+ 31	— 26	+ 55	— 56	— 31	+ 1	— 16	+ 11
Oct. 5	+ 12	+ 1	+ 4	+ 67	+ 28	— 22	+ 27	— 12	— 14	— 58	— 23	— 26
6	+ 9	+ 18	— 74	+ 9	— 42	— 20	— 11	— 39	+ 27	+ 18	— 78	+ 28
16	— 31	+ 3	+ 30	+ 98	+ 46	— 46	+ 21	— 16	— 66	+ 13	— 30	— 25
18	— 25	— 32	— 8	+ 65	+ 16	— 67	+ 22	— 36	+ 15	+ 1	— 78	+ 43
19	— 9	+ 31	— 27	+ 53	— 15	+ 32	— 18	— 79	+ 12	— 31	— 54	+ 26
20	— 54	+ 3	+ 3	+ 52	+ 6	— 37	+ 6	+ 30	— 21	— 14	— 24	+ 24
Nov. 1	+ 8	+ 47	— 9	+ 39	+ 13	— 26	+ 3	— 41	— 10	— 37	— 16	+ 8
4	— 32	— 5	+ 30	+ 1.02	+ 4	— 20	+ 10	— 26	— 49	— 36	— 32	+ 56
11	— 11	+ 16	— 20	+ 19	— 0	+ 3	+ 14	— 48	+ 5	— 26	— 37	+ 30
12	+ 11	+ 28	+ 38	+ 74	+ 6	— 71	+ 53	— 22	— 45	— 54	+ 47	+ 21
15	— 17	— 25	— 48	+ 42	+ 3	+ 12	+ 1	— 35	— 1	+ 1	— 65	+ 24
19	— 12	+ 10	— 72	+ 3	+ 16	— 12	— 25	— 5	— 27	+ 60	— 17	— 3
20	— 23	+ 5	+ 33	+ 1.05	— 8	— 25	+ 40	— 29	+ 4	— 58	— 11	— 10
21	— 66	+ 44	— 35	+ 67	— 8	+ 7	+ 14	— 65	— 25	+ 10	— 16	+ 22
22	— 50	— 3	— 28	+ 28	+ 17	— 30	+ 26	— 6	+ 6	— 29	— 62	+ 37
26	— 31	— 6	— 54	+ 45	+ 13	— 0	+ 6	— 29	+ 3	— 4	— 59	+ 3
27	+ 13	— 16	— 20	+ 66	+ 33	— 1	+ 48	— 3	— 1.13	+ 2	— 66	— 33
29	+ 50	— 26	— 16	+ 45	+ 16	— 1	— 4	— 34	— 33	— 44	— 14	+ 29
Mean .	— 14	+ 07	— 15	+ 46	+ 07		+ 15	— 36	— 13	— 12	— 39	+ 20

IV.

1895.	1	2	3	4	5	6	7	8	9	10	11	12
July 16	— 16	— 45	— 73	+ 47	— 4	+ 32	+ 13	— 81	— 8	+ 2	— 18	+ 57
18	— 44	— 1	+ 38	+ 78	+ 27	— 15	+ 63	— 74	+ 6	— 31	— 25	— 5
19	— 72	+ 64	— 66	+ 39	+ 33	— 9	+ 14	— 58	— 24	+ 14	— 31	— 1
28	+ 28	— 24	+ 34	+ 33	+ 34	— 8	+ 96	— 66	— 12	— 41	+ 13	— 44
29	+ 35	+ 1	— 6	+ 26	+ 47	— 7	+ 13	— 39	— 18	+ 20	+ 50	— 81
Aug. 10	— 45	— 23	+ 11	+ 75	+ 63	+ 18	+ 23	— 25	+ 3	— 49	— 19	— 39
13	+ 17	+ 22	— 7	— 21	+ 91	+ 21	+ 25	+ 60	— 16	— 50	— 20	— 31
Mean .	— 14	— 01	— 10	+ 40	+ 42	+ 5	+ 35	— 57	— 10	— 19	— 07	— 21

In the following tabular statement the column headed ϕ_1 gives the daily mean value of the seconds of latitude, the preceding corrections being applied when necessary. In column ϕ_2 the corrections for aberration and final adjustment of groups derived on pages 149 and 151 have been applied.

	I			II			III				II			III			IV			I		
	ϕ_1	ϕ_2	No	ϕ_1	ϕ_2	No	ϕ_1	ϕ_2	No		ϕ_1	ϕ_2	No	ϕ_1	ϕ_2	No	ϕ_1	ϕ_2	No	ϕ_1	ϕ_2	No
1894	"	"		"	"		"	"		1894	"	"		"	"		"	"		"	"	
Jan. 19	23.34	23.23	10							June 22	22.82	22.92	9	22.94	22.92	7						
25	22.79	22.67	10							27	22.86	22.97	8									
27	23.28	23.17	10	23.09	23.08	8				28	22.96	23.07	8	22.93	22.92	9						
28	23.34	23.22	7							July 3	22.78	22.89	7	22.93	22.92	8						
30	22.92	22.81	10							5	22.79	22.91	7	22.79	22.80	4						
31	23.38	23.26	9							9				23.11	23.11	9	22.88	22.91	12			
Feb. 1				23.35	23.34	9				10				22.68	22.70	5						
4				22.81	22.79	3				11				23.32	23.33	1						
5	23.30	23.20	9							12				22.81	22.82	9	22.95	23.00	12			
6	23.23	23.12	10							13				22.96	22.97	9	22.93	22.97	12			
11	23.17	23.06	9	23.07	23.06	2				17				22.96	22.98	9	22.86	22.92	4			
15	23.14	23.03	9							24				23.16	23.19	8	23.11	23.16	11			
16	23.28	23.18	7	23.35	23.34	9				25				23.23	23.26	9	23.01	23.08	11			
19	23.10	23.00	3							Aug. 5				22.92	22.95	9	23.04	23.10	12			
20	22.91	22.80	3							6				22.68	22.72	9	22.75	22.82	12			
23	23.05	22.95	10	22.95	22.94	8				9				22.93	22.97	9	22.60	22.67	12			
24	22.95	22.84	10	23.13	23.12	9				10				23.01	23.05	9	22.75	22.83	11			
26				23.35	23.34	9				20				22.95	23.00	7	22.77	22.85	12			
27	23.57	23.47	10							21				22.87	22.92	9						
Mar. 3	23.42	23.31	10	23.41	23.40	8				22				23.04	23.09	9	22.90	22.99	12			
4	23.32	23.22	10	23.27	23.26	9				23				22.96	23.01	9	22.84	22.92	11			
7	23.55	23.44	10							24				22.97	23.02	9	22.92	23.01	11			
8	23.20	23.09	7	23.20	23.19	3				31				22.92	22.98	9	22.92	23.01	12			
12	23.36	23.26	10							Sept. 7				22.91	22.97	8						
13				23.13	23.12	5				11				22.89	22.95	9	23.00	23.11	12			
14	23.25	23.14	10	23.20	23.19	10				12				22.99	23.06	8	22.85	22.95	12			
16	23.10	23.00	8	23.14	23.14	10				15				22.79	22.86	8	22.97	23.06	12			
17	23.31	23.20	8	23.38	23.38	3				Oct. 2							23.00	23.12	11			
18	23.22	23.12	8							5							22.99	23.12	12			
19				23.11	23.10	9				6							23.07	23.20	12	23.33	23.18	8
Apl. 6				23.56	23.58	1				11							23.16	23.30	5	23.16	23.00	10
7				22.99	23.00	9				15							23.04	23.17	11			
13				23.37	23.39	10				16							22.90	23.04	12	23.23	23.08	9
14				23.22	23.24	10				17							23.02	23.15	11	23.32	23.17	10
15				23.07	23.09	10				18							22.91	23.05	12	23.31	23.16	10
16				23.18	23.21	2				19							23.12	23.25	12	23.13	22.98	10
22				23.23	23.26	10				20							22.98	23.12	12			
24				22.97	23.00	10				27							23.11	23.24	11	23.25	23.10	10
25				23.08	23.11	10				31										23.24	23.09	10
26				23.19	23.22	10				Nov. 1							22.96	23.11	12	23.38	23.23	10
30				23.20	23.24	9				2							22.75	22.89	7			
May 8				23.04	23.08	10	23.17	23.10	9	3										23.30	23.14	10
9				22.82	22.87	10	23.07	23.00	8	4							23.07	23.22	12			
10				23.00	23.05	9	23.27	23.22	3	6												
12				22.86	22.91	10	23.05	22.99	9	10										23.15	23.01	6
13				23.05	23.11	4				11							23.08	23.22	12	23.44	23.30	10
26				23.00	23.08	10	22.86	22.81	9	12							23.15	23.30	12			
27				22.89	22.97	8	23.08	23.03	9	15							23.00	23.14	12	23.43	23.28	8
June 3				22.75	22.83	7				16							23.10	23.24	11	23.34	23.20	9
4				22.62	22.70	6				19							22.79	22.92	12	23.37	23.22	10
8				23.09	23.17	8				20												
9				22.84	22.93	9				21							23.17	23.31	12			
10				23.08	23.17	10	23.04	23.01	9	22							23.13	23.27	12			
11					23.06	23.04				24							23.01	23.15	11			
12				22.96	23.06	3				26										23.22	23.09	7
14				22.95	23.05	9	22.86	22.84	5	27							23.18	23.32	12			
15				23.02	23.11	10	22.95	22.93	9	28							22.78	22.91	12	23.52	23.38	3
17				22.82	22.91	9	23.07	23.04	7	29							22.93	23.07	11			
18				22.87	22.98	3				Dec. 3							23.20	23.34	12			
20				22.99	23.09	8	22.91	22.89	8	4							23.17	23.31	10	23.38	23.25	10
																	22.99	23.12	11	23.40	23.25	10

	IV			I			II			III				II			III			IV		
	ϕ_1	ϕ_2	N_0	ϕ_1	ϕ_2	N_0	ϕ_1	ϕ_2	N_0	ϕ_1	ϕ_2	N_0		ϕ_1	ϕ_2	N_0	ϕ_1	ϕ_2	N_0	ϕ_1	ϕ_2	N_0
1894	"	"		"	"		"	"		"	"		1895	"	"		"	"		"	"	
Dec. 5	23.12	23.26	11	23.21	23.08	10							May 18	23.07	23.13	10	23.19	23.14	6			
6	22.86	22.99	11	23.39	23.24	9							22	22.77	22.83	10	23.16	23.10	9			
23				23.25	23.12	10							23	22.81	22.87	10	23.18	23.13	9			
27				23.44	23.30	10							28	23.20	23.28	10	22.97	22.92	9			
28				23.45	23.33	8							29	22.90	22.98	10	23.17	23.13	9			
1895 31				23.46	23.33	10							30	23.00	23.08	10	23.18	23.14	9			
Jan 1				23.37	23.25	10							June 7	22.85	22.94	10	23.05	23.02	9			
4				23.10	22.97	10							8	22.84	22.93	10	23.12	23.09	9			
11				23.25	23.13	10							9	22.97	23.06	10	22.99	22.96	8			
14				23.22	23.10	7							11	23.01	23.10	10	23.08	23.05	9			
16				23.19	23.07	10							14	23.02	23.11	9						
19				23.26	23.14	10							16	23.16	23.27	1						
23				23.53	23.41	10							23	22.89	22.99	10						
24				23.40	23.29	10							25				23.11	23.09	9			
27				23.41	23.29	10	23.38	23.37	8				28	22.73	22.84	5						
29				23.40	23.30	2							29	22.80	22.91	3						
31				23.46	23.34	10	23.29	23.28	9				July 9				23.01	23.01	9	22.80	22.85	11
Feb. 2				23.38	23.27	10	23.15	23.14	8				10				22.93	22.94	9			
Mar. 3				23.47	23.36	10							12				23.00	23.01	9	22.94	22.98	7
5				23.58	23.48	7							16				23.08	23.10	7	22.92	22.98	12
6				23.11	23.00	3							18				22.92	22.93	9	22.84	22.88	12
9				23.46	23.36	10							19				22.79	22.80	9	22.91	22.96	12
10				23.22	23.12	5							25				22.99	23.01	9	22.76	22.81	11
14				23.04	22.95	3							26				22.86	22.89	8	22.91	22.96	10
16							23.24	23.23	10				28				22.90	22.93	9	22.92	22.97	12
17				23.23	23.13	8	23.24	23.23	10				29				22.67	22.70	7	22.86	22.92	12
18				23.47	23.37	7	23.34	23.34	9				30				22.79	22.82	9			
19				23.37	23.27	8							31				22.73	22.76	9	22.82	22.88	11
21				23.22	23.13	6	22.93	22.93	10				Aug. 3				22.90	22.94	9			
22							23.23	23.23	9				5				22.69	22.72	7			
23				23.41	23.30	5							7				22.84	22.88	9	23.03	23.11	8
25							23.15	23.15	10				8				22.91	22.95	9			
28							22.77	22.78	10				10				22.89	22.94	9	22.80	22.87	12
Apl. 10							23.18	23.19	10				12				22.92	22.96	9			
11							23.12	23.13	10				13							22.93	23.01	12
14							23.40	23.42	10				15				22.85	22.90	9	22.75	22.82	11
15							23.39	23.42	3				18				22.83	22.88	9	22.80	22.89	5
18							23.23	23.25	10				19				22.91	22.96	8	22.78	22.87	11
19							23.31	23.34	10													
20							23.09	23.12	10													
21							23.17	23.20	10													
23							23.27	23.30	10													
May 1							22.99	23.03	10													
3							23.08	23.13	9													
6							23.13	23.18	10													
9							22.97	23.02	10	22.98	22.91	9										
10										22.96	22.89	9										
12							22.83	22.89	2													
13							23.01	23.07	9													
16							22.98	23.04	10	23.03	22.97	8										

The Constant of Aberration.

In the expression for $\frac{1}{2}(\delta + \delta')$ —page 84—the terms $\frac{1}{2}(c' + c_1')C + \frac{1}{2}(d' + d_1')D$ comprise the correction for aberration. Writing for C and D their values as given in the American Ephemeris and calling the expression κ , we have

$$\kappa = 20''.4451[-\frac{1}{2}(c' + c_1') \cos \omega \cos \odot - \frac{1}{2}(d' + d_1') \sin \odot].$$

Let $20''.4451 + y$ be the true value of the constant of aberration, $\kappa + \delta\kappa$ the corresponding correction,

Then

$$\kappa + \Delta\kappa = (20''.4451 + y)[- \frac{1}{2}(c' + c_1') \cos \omega \cos \odot - \frac{1}{2}(d' + d_1') \sin \odot].$$

By division

$$\frac{\kappa}{\kappa + \Delta\kappa} = \frac{20''.4451}{20''.4451 + y}$$

From which $\Delta\kappa = \kappa.x$ where x is written for $\frac{y}{20.4451}$

Let $\phi_1, \phi_2, \phi_3, \phi_4$ be the values of the latitude given by Groups I, II, III, IV,

$\Delta_1, \Delta_2, \Delta_3, \Delta_4$ the constant part of the correction which these values require,

The true value of the latitude will be

$$\begin{aligned} \phi &= \phi_1 + \Delta_1 + \kappa_1 x \\ &= \phi_2 + \Delta_2 + \kappa_2 x \\ &= \phi_3 + \Delta_3 + \kappa_3 x \\ &= \phi_4 + \Delta_4 + \kappa_4 x \end{aligned}$$

Employing the values of ϕ_1, ϕ_2, ϕ_3 and ϕ_4 determined on the same dates and subtracting the consecutive equations we have

$$\begin{aligned} 0 &= \phi_1 - \phi_2 + (\Delta_1 - \Delta_2) + (\kappa_1 - \kappa_2)x \\ &= \phi_2 - \phi_3 + (\Delta_2 - \Delta_3) + (\kappa_2 - \kappa_3)x \\ &= \phi_3 - \phi_4 + (\Delta_3 - \Delta_4) + (\kappa_3 - \kappa_4)x \\ &= \phi_4 - \phi_1 + (\Delta_4 - \Delta_1) + (\kappa_4 - \kappa_1)x. \end{aligned}$$

Adding we find $0 = \Sigma\Delta\phi + \Sigma\Delta\kappa.x$.

For deriving the value of y , those determinations of latitude were employed where both evening and morning observations were obtained on the same or consecutive dates. In three cases two days intervened between the morning and evening observations, and in one case three days.

The details are shown in the table which follows. $\Sigma\phi$ is the sum of the seconds of observed latitude for the date indicated, the foregoing corrections having been applied for reduction to mean declination of group; $\Sigma\kappa$, is the sum of corrections for aberration.

The process of assembling in groups and formation of equations seems to call for no farther explanation.

Determination of Constant of Aberration.

I				II			III				IV		
	No	$\Sigma\phi$	$\Sigma\kappa$	No.	$\Sigma\phi$	$\Sigma\kappa$		No.	$\Sigma\phi$	$\Sigma\kappa$	No.	$\Sigma\phi$	$\Sigma\kappa$
1894. Jan. 27	10	32.85	+22.7	8	24.74	-128.0	1894. July 9	9	27.95	+ 30.2	12	34.56	- 96.5
31	9	30.40	22.0				12	9	25.33	37.9	12	35.43	- 88.8
Feb. 1				9	30.16	-147.2	13	9	26.67	40.6	12	35.17	- 86.1
4				3	8.42	- 50.8	17	9	26.68	50.4	4	11.45	- 19.3
5	9	29.72	25.8				24	8	25.31	58.5	11	34.20	- 51.3
11	9	28.49	31.8	2	6.14	- 33.6	25	9	29.09	69.5	11	33.16	- 46.7
15	9	28.26	36.5										
16	7	22.97	25.2	9	30.17	-151.2							
Feb. 7-5	53	3.258	+ 3.09	31	3.214	- 16.48	July 17-16	53	3.038	+ 5.42	62	2.967	- 6.27
I-II		+ .044	+ 19.57	1.96	wt.		III-IV		+ .071	+ 11.69	2.86	wt.	
Feb. 23	10	30.51	43.8	8	23.63	-133.2	Aug. 5	9	26.26	+ 93.9	12	36.49	- 21.4
24	10	29.46	44.5	9	28.21	-148.8	9	9	24.14	96.2	12	33.01	- 18.7
26				9	30.17	-147.7	9	9	26.38	103.2	12	31.22	- 9.5
27	10	35.69	46.2				10	9	27.11	104.1	11	30.28	- 6.1
Mar. 3	10	34.16	48.6	8	27.29	-128.0							
Feb. 26-26	40	3.245	+ 4.58	34	3.215	- 16.40	Aug. 7-7	36	2.886	+ 11.04	47	2.787	- 1.19
		+ .030	+ 20.98	1.84	wt.				+ .099	+ 12.23	2.04	wt.	
Mar. 8	7	22.37	36.1	3	9.60	- 44.4	Aug. 20	7	20.64	+ 93.2	12	33.26	+ 23.3
12	10	33.60	52.6				22	9	27.37	125.4	12	34.81	+ 29.2
13				5	15.65	- 81.0	23	9	26.63	126.8	11	31.24	+ 32.3
14	10	32.51	53.2	10	31.98	-149.5	24	9	26.70	128.4	11	32.10	+ 29.5
16	8	24.78	42.9	10	31.41	-147.2	31	9	26.31	138.0	12	35.03	+ 55.7
17	8	26.48	43.5	3	10.14	- 40.1							
Mar. 13-14	43	3.250	+ 5.31	31	3.187	- 14.91	Aug. 24-24	43	2.969	+ 14.23	58	2.870	+ 2.93
		+ .063	+ 20.22	1.80	wt.				+ .099	+ 11.30	2.47	wt.	
		II			III								
May 8	10	30.36	- 26.5	9	28.50	-116.7	Sep. 11	9	26.00	+149.6	12	35.94	+ 86.1
9	10	28.21	- 23.7	8	24.57	-105.5	12	8	23.96	133.9	12	34.17	+ 88.7
10	9	26.99	- 18.6	3	9.82	- 31.3	15	8	22.33	136.0	12	35.62	+ 96.5
12	10	28.61	- 15.1	9	27.47	-109.5							
May 10-10	39	2.928	- 2.15	29	3.116	- 12.52	Sep. 13-13	25	2.892	+ 16.78	36	2.937	+ 7.54
II-III		- .188	+ 10.37	1.66	wt.				- .045	+ 9.24	1.48	wt.	
May 26	10	30.05	+ 24.5	9	25.77	- 80.5							
27	8	23.14	+ 24.5	9	27.73	- 78.0							
May 26-26	18	2.955	+ 2.72	18	2.972	- 8.81							
		- .017	+ 11.53	0.90	wt.								
June 10	10	30.81	+ 64.6	9	27.34	- 44.5							
14	9	26.56	69.1	5	14.29	- 11.3							
15	10	30.18	77.6	9	26.58	- 32.0							
17	9	25.34	75.9	7	21.48	- 21.5							
20	8	23.94	75.2	8	23.25	- 17.0							
22	9	25.36	+ 86.5	7	20.58	- 9.1							
June 16-16	55	2.949	+ 8.16	45	2.967	- 3.01	Oct. 15-15	75	3.019	+ 13.23	57	3.243	- 5.64
II-III		- .018	+ 11.17	2.47	wt.		IV-I		- .224	+ 18.87	3 24	wt.	
June 28	8	23.70	+ 85.7	9	26.35	+ 1.6	Oct. 27	11	34.16	156.7	10	32.46	- 53.5
July 3	7	19.46	80.3	8	23.42	+ 13.9	Nov. 1	12	35.55	175.7	10	33.77	- 51.6
5	7	19.56	+ 83.2	4	11.16	+ 16.2	2	7	19.23	107.1			
							3				10	32.95	- 50.6
							4	12	36.88	177.3			
							6				6	18.88	- 25.1
							10				10	32.35	- 47.2
							11	12	36.97	179.0	10	34.42	- 46.5
							12	12	37.84	178.8			
July 2-1	22	2.851	+ 11.33	21	2.901	+ 1.51	Nov. 5-4	66	3.040	+ 14.77	56	3.301	- 4.90
		- .050	+ 9.82	1.07	wt.				- .261	+ 19.67	3.03	wt.	

IV				I			II				III		
	No.	$\Sigma\phi$	$\Sigma\kappa$	No.	$\Sigma\phi$	$\Sigma\kappa$		No.	$\Sigma\phi$	$\Sigma\kappa$	No.	$\Sigma\phi$	$\Sigma\kappa$
1894. Nov. 15	12	35.94	178.6	8	27.45	— 36.5	1895. May 28	10	32.05	+ 29.2	9	26.71	— 76.4
16	11	34.10	164.4	9	30.08	— 37.3	29	10	29.02	32.0	9	28.56	— 74.0
19	12	33.42	177.7	10	33.66	— 41.6	30	10	30.01	34.7	9	28.66	— 71.9
22	11	33.05	161.2										
24				7	22.55	— 22.9	May 29-29	30	3.036	+ 3.20	27	3.109	— 8.23
26	12	38.15	173.6						— .073	+ 11.43	1.42	wt.	
27	12	33.36	172.8	3	10.56	— 4.9	June 7	10	28.55	+ 56.1	9	27.47	— 52.6
Nov 21-19	70	2.972 + 14.69		37	3.359	— 3.87	8	10	28.39	58.7	9	28.12	— 50.0
		— .387 + 18.56		2.43	wt.		9	10	29.69	61.5	8	23.94	— 45.9
Dec. 3	10	31.70	142.8	10	33.82	— 30.8	11	10	30.07	66.7	9	27.75	— 43.6
4	11	32.84	154.3	10	33.96	— 30.1	June 9-9	40	2.918	+ 6.08	35	3.065	— 5.49
5	11	34.32	153.1	10	32.09	— 29.1			— .147	+ 11.57	1.87	wt.	
6	11	31.43	152.0	4	30.47	— 28.2	June 23	10	28.86	+ 93.7	9	27.96	— 7.5
Dec. 5-4	43	3.030 + 14.00		39	3.342	— 3.02	25						
		— .312 + 17.03		2.05	wt.		28	5	13.64	57.0			
							June 25-25	15	2.833	+ 10.05	9	3.107	— 0.84
									— .274	+ 10.89	0.56	wt.	
1895. Jan. 27	10	34.08	+ 22.2	8	27.04	— 127.8							
31	10	34.60	25.9	9	29.62	— 146.3							
Feb. 2	10	33.80	27.6	8	25.19	— 132.1							
Jan. 30-30	30	3.416 + 2.52		25	+ 3.274	— 16.25	July 9	9	27.08	+ 29.5	11	30.82	— 85.8
I-II		+ .142 + 18.77		1.36	wt.		12	9	26.98	37.0	7	20.56	— 44.6
Mar. 14	3	9.12	17.0	10	32.40	— 147.5	16	7	21.58	37.6	12	35.09	— 78.9
16				10	32.38	— 146.0	18	9	26.24	52.1	12	34.10	— 74.0
17	8	25.88	43.4	10	32.38	— 146.0	19	9	25.09	54.6	12	34.88	— 70.8
18	7	24.28	38.1	9	30.10	— 129.6	July 15-15	43	2.953	+ 4.90	54	2.879	— 6.56
21	6	19.32	32.7	10	29.32	— 140.0	III-IV		+ .074	+ 11.46	2.39	wt.	
22				9	29.09	— 125.5	July 25	9	26.90	+ 68.8	11	30.31	— 50.0
23	5	17.04	27.5	10	31.53	— 133.1	26	8	22.91	62.4	10	29.07	— 48.0
25				10	31.53	— 133.1	28	9	26.09	75.9	12	35.04	— 45.7
Mar. 19-20	29	3.298 + 5.47		58	3.187	— 14.17	29	7	18.71	58.1	12	34.34	— 44.0
		+ .111 + 19.64		1.93	wt.		31	9	24.58	82.5	11	31.02	— 33.3
							July 28-28	42	2.838	+ 8.28	56	2.853	— 3.95
									— .015	+ 12.23	2.40	wt.	
May 9	10	29.72	— 24.4	9	26.79	— 115.4	Aug. 7	9	25.57	+ 97.7	8	24.26	— 1.9
10				9	26.60	— 113.7	10	9	26.05	103.4	12	33.62	— 7.5
12	2	5.64	+ 2.3				12	9	26.26	107.4			
16	10	29.84	— 4.5	8	24.22	— 91.2	13				12	35.16	+ 1.8
18	10	30.72	+ 1.3	6	19.16	— 59.1	15	9	25.65	112.9	11	30.20	+ 7.8
22	10	27.67	+ 12.3	9	28.39	— 89.8	18	9	25.50	118.5	5	13.99	+ 17.5
23	10	28.08	+ 15.3	9	28.63	— 87.5	19	8	23.30	105.9	11	30.58	+ 21.2
May 17-16	52	2.917 + 0.04		50	3.076	— 11.13	Aug. 13-13	53	2.874	+ 12.18	59	2.844	+ 0.66
II-III		— .159 + 11.17		2.55	wt.				+ .030	+ 11.52	2.79	wt.	

In combining the foregoing expressions to form the final equation the weights are given by the formula

$$p = \frac{nn'}{10(n + n')}.$$

The two series of values for I-II, II-III, and III-IV have been combined by weights in the final expressions given below.*

		$\Delta\phi$	κ	$Wt.$			$\Delta\phi$	κ	$Wt.$
1894. Feb. 6	I-II	+0.044	+19.57	1.96	1895. Jan. 30	I-II	+0.142	+18.77	1.36
26		+0.030	20.98	1.84	Mar. 20		+0.111	19.64	1.93
Mar. 14		+0.063	20.22	1.80					
Mean		+0.0455	+20.24	5.60	Mean		+0.1238	+19.28	3.29
May 10	II-III	-.188	+10.37	1.66	May 17	II-III	-.159	+11.17	2.55
26		-.017	11.53	0.90	29		-.073	11.43	1.42
June 16		-.018	11.17	2.47	June 9		-.147	11.57	1.87
July 2		-.050	9.82	1.07	25		-.274	10.89	0.56
Mean		-.0697	+10.77	6.10	Mean		-.1465	+11.32	6.40
July 17	III-IV	+0.071	+11.69	2.86	July 15	III-IV	+0.074	+11.46	2.39
Aug. 7		+0.099	12.23	2.04	28		-.015	12.23	2.40
24		+0.099	11.30	2.47	Aug. 13		+0.030	11.52	2.79
Sep. 13		-.045	9.24	1.48					
Mean		+0.0659	+11.30	8.85	Mean		+0.0296	+11.73	7.58
Oct. 15	IV-I	-.224	+18.87	3.24					
Nov. 5		-.261	19.67	3.03					
20		-.387	18.56	2.42					
Dec. 4		-.312	17.03	2.05					
Mean		-.2880	+18.67	10.74					

$$\begin{aligned}
 19.88x + .0745 &= 0 \\
 11.05x - .1090 &= 0 \\
 11.50x + .0492 &= 0 \\
 18.67x - .2880 &= 0 \\
 61.10x - .2733 &= 0
 \end{aligned}$$

$$\begin{aligned}
 x &= +0.004473 \\
 y &= .0915 \\
 &20.4451 \\
 \text{Aberration} &20''.5366
 \end{aligned}$$

Adopting this value of the constant of aberration as that best suited to present purposes, the necessary correction to the latitude is found by multiplying the computed reduction for aberration by the factor .004473.

After applying these corrections to the latitudes we are prepared to form the condition equations for adjusting the declination systems of the different groups in order to free the results from systematic differences.

*If we reduce these as two separate series, the term IV-I appearing in both, we find for the constant of aberration—

$$\begin{aligned}
 \text{First series, } 20''.5277 \\
 \text{Second " } 20''.5393.
 \end{aligned}$$

The Latitude.

Assembling the corrected latitudes in groups covering convenient periods, which in the present case have an average duration of about sixteen days, we have the results given below. As before $p = \frac{nn'}{10(n+n')}$.

		<i>I</i>	No.	<i>II</i>	No.	<i>III</i>	No.	<i>IV</i>	No.		$\Delta\phi$	<i>p</i>	$\frac{1}{p}$
1894.	Jan. 19-Feb. 16	3.201	100	3.140	31	"		"		II—I	—0.061	2.37	
	Feb. 19-Mar. 3	3.235	46	3.141	34					$2v_1$	—0.094	1.95	
	Mar. 4-Mar. 18	3.322	71	3.137	40						—0.185	2.56	
	Mar. 19-Apr. 15			3.117	49						—0.1165	6.88	.1453
	Apl. 16-Apr. 30			3.104	51								
	May 8-May 13			2.930	43	3.060	29			III—II	+0.130	1.73	
	May 26-June 15			2.961	80	2.944	42			$3v_2$	—0.017	2.75	
	June 17-July 5			2.908	59	2.934	43				+0.026	2.49	
	July 9-July 25					3.037	59	2.939	62	IV—III	—0.098	3.02	
	Aug. 5-Aug. 23					2.968	61	2.803	71	$4v_3$	—0.165	3.28	
	Aug. 23-Sep. 15					2.991	60	2.941	70		—0.050	3.23	
											+0.0348	6.97	.1435
	Oct. 2-Oct. 20	3.218	57					3.067	110	I—IV	+0.151	3.75	
	Oct. 27-Nov. 12	3.269	66					3.106	66	$1v_4$	+0.163	3.30	
	Nov. 15-Nov. 27	3.342	37					3.082	94		+0.260	2.65	
	Nov. 28-Dec. 6	3.328	39					3.107	66		+0.221	2.45	
1894-1895.											—0.1048	9.53	.1049
	Dec. 23-Jan. 4	3.339	58								+0.1921	12.15	.0823
	Jan. 11-Jan. 24	3.319	57										
	Jan. 27-Feb. 2	3.427	32	3.201	25					II—I	—0.226	1.40	
	Mar. 3-Mar. 28	3.391	72	3.063	68					$2v'_1$	—0.328	3.50	
											—0.2989	4.90	.2041
	Apl. 10-Apr. 19			3.217	53					III—II	+0.072	4.17	
	Apl. 20-May 6			3.099	59					$3v'_2$	+0.109	2.67	
	May 9-May 30			2.970	91	3.042	77				+0.0864	6.84	.1462
	June 7-June 29			2.944	68	3.053	44			IV—III	—0.077	5.08	
	July 9-July 31					2.919	103	2.842	110	$4v'_3$	—0.070	3.36	
	Aug. 3-Aug. 19					2.917	78	2.847	59		—0.0742	8.44	.1185

If we represent by $2v_1, 3v_2 \dots$ the required corrections to the observed differences (II—I), (III—II) \dots the following conditions must be satisfied:

$$\begin{array}{rcl}
 2v_1 + 3v_2 + 4v_3 + 1v_4 & = & +0056 \\
 2v_1 & = & +1824 \\
 3v_2 & = & -0516 \\
 4v_3 & = & -0306
 \end{array}$$

Employing the weights given in the table preceding and solving our equations by the method of correlates, we find the following normal equations:

$$\begin{array}{rcl} .4760 k + .1453 k' + .1435 k'' + .1049 k''' & = & +.0056 \\ .1453 k + .3494 k' & & = +.1824 \\ .1435 k & + .2897 k'' & = -.0516 \\ .1049 k & & + .2234 k''' = -.0306 \end{array}$$

From which

$$\begin{array}{l} k = -.1026 \\ k' = +.5647 \\ k'' = -.1272 \\ k''' = -.0888 \end{array}$$

Also

$$\begin{array}{l} {}_2v_1 = .1453(k + k') = +.0671 \\ {}_3v_2 = .1435(k + k'') = -.0330 \\ {}_4v_3 = .1049(k + k''') = -.0201 \\ {}_1v_4 = .0823 k = -.0084 \\ {}_2v'_1 = -.2041 k' = -.1153 \\ {}_3v'_2 = -.1462 k'' = +.0186 \\ {}_4v'_3 = -.1185 k''' = +.0105 \end{array}$$

Therefore for the corrected differences

$$\begin{array}{l} \text{II} - \text{I} = -.1836 \\ \text{III} - \text{II} = +.0678 \\ \text{IV} - \text{III} = -.0847 \\ \text{I} - \text{IV} = +.2005 \end{array}$$

The algebraic sum should, of course, be zero.

From these relations

$$\begin{array}{l} \text{I} = \text{II} + .1836 \\ = \text{III} + .1158 \\ = \text{IV} + .2005 \end{array}$$

Subtracting 0.1250 from each side of our equations in order to make the sum of the corrections zero, we obtain the following values, which must be applied to the latitudes derived from the respective groups in order to reduce all to a homogeneous system:

$$\begin{array}{l} \text{I} - .125 \\ \text{II} + .059 \\ \text{III} - .009 \\ \text{IV} + .075 \end{array}$$

Applying these corrections to the values of the latitudes given on page 150, we obtain the final results, as follows:

Final Values of Latitude—All Corrections Applied.

Weighted Mean Date.			I	No.	II	No.	III	No.	IV	No.	Mean ϕ
1	1894	Feb. 4	3.076	100	3.199	31					3.137
2		Feb. 25	3.110	46	3.200	34					3.155
3		Mar. 13	3.197	71	3.196	40					3.196
4		Apl. 9			3.176	49					3.176
5		Apl. 25			3.163	51					3.163
6		May 10			2.989	43	3.051	29			3.020
7		June 6			3.020	80	2.935	42			2.977
8		June 25			2.967	59	2.925	43			2.946
9		July 16					3.028	59	3.014	62	3.021
10		Aug. 13					2.959	61	2.878	71	2.918
11		Sep. 5					2.982	60	3.016	70	2.999
12		Oct. 14	3.093	57					3.142	110	3.117
13		Nov. 4	3.144	66					3.181	66	3.162
14		Nov. 21	3.217	37					3.157	94	3.187
15		Dec. 4	3.203	39					3.182	66	3.192
16		Dec. 29	3.214	58							3.214
17	1895	Jan. 18	3.194	57							3.194
18		Jan. 31	3.302	32	3.260	25					3.281
19		Mar. 17	3.266	72	3.122	68					3.194
20		Apl. 15			3.276	53					3.276
21		Apl. 27			3.158	59					3.159
22		May 20			3.029	91	3.033	77			3.031
23		June 13			3.003	68	3.044	44			3.024
24		July 21					2.910	103	2.917	110	2.914
25		Aug. 12					2.908	78	2.922	59	2.915
				635		751		596		708	

The folded sheet which follows gives the individual values of the seconds of latitude, all corrections and reductions having been applied.

The probable error of a single determination has been derived from these final values, and therefore includes that part due to the adjusted declinations as well as that of observation.

The results are as follows:

For Group	I	$r=0''.218$	from 635 residuals
	II	.212	751
	III	.189	596
	IV	.193	708

Mean	$r=0''.203$	2690 = whole number of latitude determinations.
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[illegible]

[illegible]

2.89 2.92 2.89 2.45 2.91 2.88 3.08	3.08 2.74 2.74 3.04 3.06 2.82 3.04	3.37 2.81 2.71 2.85 3.40 2.82 2.83	3.08 3.10 2.80 2.37 2.73 3.00 2.90	3.04 3.10 2.89 3.15 3.40 3.44 3.39	3.06 3.01 3.06 3.69 3.40 3.39 3.64	3.01 2.89 3.01 3.39 3.02	2.89 3.01 3.39	3.02 3.25 2.99 3.05	3.26 3.28 2.94 3.41	2.79 2.28 2.97 2.94	2.67 8.85 3.15	2.71 3.12	2.72 3.26	2.78 2.57	2.21 2.66	3.16 3.58												
2.98 2.98	3.09 2.51	2.73 3.14	3.47 3.01	2.79 3.81	2.96 3.68	[1.66] 3.00	3.39 3.88	2.87 3.18	2.96 3.20	2.53 2.83	2.60 3.26	3.23 2.46	3.14	3.14	2.69	2.46												
2.99 2.24 3.08 2.94 3.21 2.49 2.97	2.88 2.75 3.07 3.12 3.12 2.76 2.87	2.80 8.05 2.43 2.71 2.71 2.95 2.94	2.73 2.67 2.94 8.08 2.96 2.82 2.70	2.79 3.26 2.96 3.19 2.94 3.24 2.75	3.68 3.22 3.08 3.80 2.81 3.19 3.19		3.51	3.19 2.93	3.44 2.75	2.76 2.55	2.54 2.89		2.71 3.30	2.97 2.99	2.73 3.06	2.77 3.06												
								2.96 2.96 2.87	2.84 2.85 3.09	3.11 2.83 3.08	3.11 3.46 2.16	3.32 2.94	3.24	3.10	3.08	3.41	2.92 2.68 3.03 2.83 3.25 3.06	3.12 3.25 2.41 2.54 2.97 3.07	2.70 3.25 2.41 2.98 3.19 2.62 2.20	3.05 3.35 3.07	2.78 2.63 2.99	2.94 3.08 2.91	2.29 3.18 2.95	3.14 3.29 3.07	3.05 2.30 3.07	2.62 3.53 3.07 3.83 3.49		
								2.40 2.58 2.56 3.01	3.38 2.59 2.81 2.51	3.07 3.22 3.07 3.64	2.73 2.67 2.83 3.37	3.21 2.86 2.75 3.00	2.89 2.67 2.93 2.91	3.06 2.49 3.31 2.99	3.13 2.98 3.09 3.14	2.73 2.43 2.77 2.92	3.31 3.33 3.11 2.78	3.00 2.95 2.32 2.76	3.21 2.83 2.88 3.12	3.04 2.95 2.95 2.69	3.33 2.63 3.12 3.18	2.88 3.29 2.62 2.98	3.12 3.14 2.97 2.99	3.02 3.18 2.59 2.89	3.18 2.73 2.45 2.96	3.02 2.54 2.56 2.05	3.42 3.00 2.70 3.15	2.75 2.39 2.63 2.82
								2.71 3.21	2.42 2.41	3.58 2.70	2.51 3.60	3.07 3.30	2.98 3.07	3.46 2.98	2.94 3.29	2.66 3.29	2.89 3.29	2.42 2.93 3.32	3.17 3.10	3.26 3.45 2.58	2.90 3.05 2.57	2.98 3.14 3.81	3.01 3.18 3.09	2.62 3.07 2.98	3.18 3.01 2.96	3.18 3.01 2.96	2.78 2.97	2.97 3.37
								2.83 2.68 2.81 3.08 3.05 3.04	3.12 2.75 2.90 2.82 2.52 3.27	3.35 2.67 3.13 2.76 3.30 2.91	3.30 3.28 2.79 3.12 2.57	2.82 3.57 2.97 2.99 3.09	2.60 3.09 3.08 2.89 3.14	2.97 2.78 3.23 2.89 2.90	3.47 3.37 2.77 3.80 2.84 3.34	2.65 2.99 2.97 2.97 2.69 3.32	2.55 2.99 2.77 2.97 2.55	3.26 3.45 2.70	2.90 3.05 2.57	2.98 3.14 3.81	2.90 3.18 3.09	3.01 3.07 2.98	2.62 3.07 2.98	3.18 3.01 2.96	3.18 3.07 2.96	2.78 2.97	2.97 3.37	
								3.26 2.89 2.89 3.54 3.23 3.25 2.90 3.13 3.19 3.54	2.74 3.21 3.01 3.26 3.01 3.12 3.18 3.41 3.00 3.18	3.10 2.97 3.72 3.11 3.71 2.63 2.85 2.95 2.95 3.41 2.95 3.36 3.17	2.59 2.94 3.49 3.39 2.83 2.56 2.97 3.91 2.88 3.49 2.72 3.57	3.16 3.17 3.12 3.16 3.45 3.19 3.38 3.02 2.97 3.44 3.42 2.77 3.46 2.95 3.88 3.42 3.39 3.15	2.85 3.17 3.12 3.16 3.19 3.34 3.02 2.88 2.97 3.48 2.98 2.92 3.81	3.16 2.91 3.15 2.71 2.87 3.60 3.42 2.77 3.88 3.02 3.73 3.67 2.98 3.42 3.39 3.15	3.57 3.15 2.71 2.81 3.09 3.27 2.98 3.44 3.42 2.77 3.88 3.02 3.73 3.67 2.98 3.42 3.39 3.15	3.20 2.98 2.81 2.81 3.09 3.27 2.98 3.44 3.42 2.77 3.88 3.02 3.73 3.67 2.98 3.42 3.39 3.15	3.25 3.60 3.50 3.35 3.19 3.34 3.02 2.88 2.											

6. 10. 11. 12.	2.88 3.29 3.01 2.45 3.31 3.12 3.12 3.51 2.84 3.27 2.66 3.15 3.27 2.69 3.23 3.15 3.47 3.28 3.40 3.25 3.68 3.08 3.07 3.48 3.27 2.98											
	15. 3.28 [4.30] 3.07 3.35 3.04 3.20 3.45 3.33 3.59 16. 2.39 3.42 3.69 2.69 3.33 2.75 3.41 3.64 3.47 19. 3.29 3.22 3.20 3.23 3.05 3.40 3.05 3.73 3.14 2.91 20. 21. 22. 24. 2.73 3.77 3.45 2.45 2.97 2.60 3.61 26. 27. 3.38 3.42 3.37											
	28. 29. Dec. 3. 3.44 3.01 3.49 2.97 3.65 2.84 3.53 3.14 3.07 3.29 4. 3.46 3.40 2.73 3.55 3.10 3.22 3.23 3.66 2.81 3.51 5. 2.92 3.03 3.18 2.58 3.26 3.06 3.33 2.83 3.17 3.34 6. 3.43 2.96 3.75 3.22 3.17 2.87 3.40 3.07 3.34											
	23. 3.18 3.05 3.28 2.90 2.93 2.88 3.72 2.96 2.57 3.72 27. 2.94 3.79 3.47 3.72 2.75 2.93 2.90 3.97 3.83 2.77 28. 2.80 3.18 [4.73] 3.65 3.65 2.83 4.24 2.71 3.53 1895 31. 3.33 3.96 2.85 3.72 3.19 3.42 3.40 3.13 3.04 3.29 Jan. 1. 3.00 2.49 3.28 3.57 4.01 3.41 3.89 2.88 2.66 3.24 4. 2.91 2.85 2.96 3.14 3.64 3.73 3.08 2.47 2.24 2.73											
	11. 3.04 3.38 3.32 2.82 3.23 3.05 2.78 3.18 3.26 3.22 14. 3.21 3.42 2.71 2.79 3.60 2.92 3.02 16. 3.18 3.17 2.87 2.55 3.44 3.21 3.40 2.65 3.34 2.94 19. 3.00 3.03 2.72 3.05 2.90 3.55 2.71 3.31 3.92 3.18 23. 3.23 3.88 3.95 2.94 3.56 3.37 3.66 2.85 3.42 3.31 24. 3.74 3.45 3.14 3.45 2.98 3.38 3.33 3.38 3.00 2.99											
	27. 2.78 3.56 3.35 3.70 3.22 3.38 3.43 2.64 3.53 3.34 29. 3.00 3.58 31. 3.34 3.37 3.30 3.79 3.33 3.36 3.35 3.15 3.12 3.36 Feb. 2. 3.24 3.69 3.37 3.21 3.40 3.11 3.27 3.46 2.66 3.26										3.19 3.57 3.70 3.39 3.80 3.03 2.76 3.49 2.29 3.40 3.65 3.62 3.27 3.93 2.93 2.72 3.68 2.92 3.45 3.03 4.14 3.77 2.39 2.86 2.50 [4.58]	
	Mar. 3. 3.30 3.54 2.58 3.96 3.20 3.65 3.33 3.51 3.63 3.00 5. 3.54 3.44 3.44 [1.16] 3.62 2.94 4.09 3.29 6. 2.71 3.05 3.26 9. 3.23 3.08 3.79 3.09 3.46 3.20 3.73 3.15 3.98 2.87 10. 2.98 3.09 3.33 2.88 3.31 14. 3.93 2.71 2.18 16. 3.23 3.17 2.78 3.31 3.17 3.41 2.98 3.03 17. 3.54 3.23 [2.28] 3.26 3.62 3.16 3.66 3.11 18. 3.21 3.15 3.00 3.30 3.50 3.47 3.51 3.05 19. 3.25 2.85 3.14 3.03 3.13 3.32 21. 2.92 3.31 3.73 3.45 3.13 22. 23. 25. 28.										2.60 3.39 3.51 3.51 3.58 3.48 3.12 3.03 2.99 3.13 3.38 3.60 2.95 3.44 2.79 3.09 2.84 3.56 3.37 3.30 3.33 3.42 3.65 3.35 3.58 3.40 3.24 3.17 2.91 2.60 3.19 3.04 2.91 2.96 2.66 3.04 2.87 2.82 3.18 3.66 3.91 2.58 3.16 2.72 3.40 3.00 3.21 3.41 3.17 2.91 2.85 3.73 3.41 3.11 3.03 3.26 3.26 2.79 2.63 2.68 2.82 2.43 2.58 2.68 3.17 2.75 3.05 2.97	
	Apl. 10. 11. 14. 15. 18. 19.										2.88 3.45 3.07 3.23 3.36 3.46 3.23 3.06 2.90 3.30 3.03 3.62 3.28 3.03 2.99 2.99 3.60 2.66 2.96 3.18 3.53 3.34 3.25 3.68 3.13 3.43 3.64 3.43 3.69 3.07 3.41 3.13 3.67 3.19 3.52 3.56 2.80 3.78 3.53 3.36 3.22 2.93 2.64 3.31 2.85 3.97 3.52 3.68 3.01 3.17 3.42 3.27 3.16	
	20. 21. 23. May 1. 3. 6.										3.08 2.99 3.57 3.38 3.70 3.02 2.81 2.53 3.15 2.92 3.13 3.41 3.44 3.39 3.43 3.60 2.42 3.15 3.04 2.94 3.05 3.23 3.42 2.86 3.34 3.56 3.67 3.44 3.65 2.80 3.33 2.52 2.89 2.68 3.30 3.47 3.25 2.91 3.08 2.86 3.42 2.92 2.93 3.60 3.35 3.05 2.83 3.07 2.97 3.62 3.07 3.31 3.12 2.94 3.36 2.59 3.29 3.27 3.20	
	9. 10. 12. 13. 16. 18. 22. 23. 28. 29. 30.										2.82 3.21 3.08 2.86 2.86 2.94 2.84 3.24 3.19 3.11 2.83 2.93 3.10 2.48 2.99 2.92 3.39 3.45 3.46 2.89 2.94 3.84 2.16 3.42 2.76 2.96 3.20 3.15 3.28 2.92 2.71 3.02 3.35 3.23 3.25 3.06 3.17 2.75 3.32 3.20 2.96 3.11 2.91 2.30 2.89 3.08 2.54 3.16 2.53 3.11 2.68 2.49 3.32 3.20 3.08 2.68 2.87 2.71 2.95 2.60 2.85 2.95 3.29 3.48 3.43 2.98 3.20 3.55 3.23 3.61 3.05 2.67 3.21 2.82 3.06 2.64 3.07 3.08 2.70 3.21 3.29 3.43 3.02 3.24 3.11 2.64 3.00 3.30 2.81 3.27 2.95	2.87 3.22 3.03 3.04 2.72 3.10 3.05 2.93 3.01 2.58 3.21 3.06 2.63 2.96 3.10 3.29 3.60 3.13 3.19 2.78 2.29 2.62 3.47 3.27 3.13 3.35 2.99 3.09 3.05 3.48 3.46 3.10 2.72 2.95 2.83 3.15 2.82 3.02 3.14 3.13 3.52 3.05 3.08 3.37 3.13 2.73 2.84 2.95 3.34 3.24 3.00 3.32 3.27 2.90 3.08 3.44 3.23 3.33 2.95 3.30 2.93 2.92
	June 7. 8. 9. 11. 14. 16. 23. 25. 28. 29. July 9. 10. 12. 16. 18. 19. 25. 26. 28. 29. 30. 31.										3.33 2.87 2.63 3.04 2.78 2.97 2.57 3.10 2.88 3.23 3.02 2.88 2.82 2.77 2.68 2.61 2.87 3.22 3.37 3.02 2.98 3.44 3.23 2.91 3.31 3.07 3.03 3.46 2.59 2.55 3.21 2.82 3.12 3.50 2.94 3.02 3.00 3.32 3.20 2.83 2.77 3.03 2.93 3.20 3.13 3.29 2.90 3.38 3.26 3.03 2.94 2.90 3.04 3.17 2.93 2.84 2.61 3.22 3.17 2.98 2.49 3.25 2.70 2.77 3.09 2.77 2.88	2.78 2.93 2.81 2.89 2.85 3.44 2.87 3.25 3.16 3.46 3.32 3.14 2.62 3.19 2.97 2.69 3.12 3.01 2.58 3.16 3.26 2.94 3.69 3.19 2.74 2.49 3.09 2.85 2.93 2.86 3.56 3.46 2.98 2.62
	Aug. 3. 5. 7. 8. 10. 12. 13. 15. 18. 19.										3.46 2.97 2.76 2.87 3.12 3.32 2.92 3.26 3.05 3.30 2.63 2.74 3.13 2.53 2.98 3.07 2.90 2.78 3.40 3.09 3.07 3.37 3.03 3.53 2.93 3.05 2.74 2.53 2.72 3.05 3.46 3.01 2.45 2.75 3.14 3.29 2.57 2.76 2.90 2.96 2.41 2.83 3.21 2.98 3.22 3.13 2.64 3.58 2.94 3.25 2.80 3.10 3.04 3.01 2.53 2.91 3.13 3.24 2.85 2.93 2.60 2.15 2.54 2.89 2.65 3.05 2.87 2.80 2.79 2.87 3.02 2.60 2.64 2.63 2.77 2.35 2.87 3.17	2.60 3.03 3.06 2.64 3.31 2.85 2.91 2.66 3.01 2.55 2.73 2.59 2.63 2.99 3.05 3.03 2.64 2.86 2.76 2.87 2.91 3.07 2.44 2.74 2.88 3.21 3.31 2.91 3.24 2.96 2.66 2.92 2.62 2.96 2.78 2.74 2.96 3.19 3.04 2.99 2.43 3.42 3.00 3.06 2.58 2.75 3.01 2.60 2.86 2.63 2.60 2.82 2.90 2.98 3.03 3.45 3.21 2.58 2.82 2.70 3.35

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OBSERVATIONS WITH THE ZENITH TELESCOPE.

Diagram Showing Variation of Latitude at South Bethlehem from 1894, January 19, to 1895, August 19.